



# Photovoltaic panel charging control

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Learn how to choose the correct solar charge controller, and compare PWM solar charge controllers with MPPT controllers.

Ensure your solar panels harvest every bit of energy with our MPPT and PWM solar charge controllers. Perfect for mobile, off-grid, and home use, they connect easily with other Victron components to build ...

The solar charge controller works by measuring the voltage of the batteries and the solar panels and adjusting the flow of electricity accordingly. When the batteries are fully charged, the ...

Solar Charge Controllers are one of the most affordable and effective devices used to charge battery systems using solar. We explain how a MPPT charge controller works and how to ...

If you're using solar panels with battery storage, a solar charge controller is essential. This often-overlooked device manages the energy flow between your photovoltaic (PV) panels and your ...

What is a charge controller? A charge controller is a device used in solar power systems. It manages the flow of power from the solar panels to the batteries. Its main purpose is to prevent the ...

Solar charge controllers allow batteries to safely charge and discharge using the output of solar panels. A charge controller is needed any time a battery will be connected to the direct current (DC) output of ...

What does a solar charge controller do? Do you need one? This basic guide covers how a charge controller works and when you need it.

A solar charge controller regulates electricity flow from solar panels to batteries, preventing overcharge by limiting power when batteries are full and stopping reverse current back to the panels at night.

What Are Solar Charge Controllers? The charge controller in your solar installation sits between the energy



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source (solar panels) and storage (batteries). Charge controllers prevent your batteries from ...

What Does A Charge Controller do?When Do You Need A Charge Controller?Types of Charge ControllersConclusionA solar charge controller manages the power going in and out of the batteries in a solar power system. It does this by regulating voltage and current. It stops your batteries getting overcharged by controlling the flow of energy from your solar panels. It also stops the reverse flow of power, which can drain and damage the battery bank, from your b...See more on solarenergyscout #b\_results

```
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.mc_vtvc,#b_results #serpvidans.vsacf .mc_vtvc_th,#b_results #serpvidans.vsacf .cico,#b_results
#serpvidans.vsacf .mc_vtvc_htb,#b_results #serpvidans.vsacf .vrhc,#b_results #serpvidans.vsacf
.vrhcp,#b_results #serpvidans.vsacf .vrhtc,#b_results #serpvidans.vsacf
.vrhtpc{border-radius:var(--mai-smtc-corner-list-card-default)}#b_results #serpvidans.vsacf .mmlist
.mc_vtvc,#b_results #serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta{margin:0}#b_results
#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_channel,#b_results #serpvidans.vsacf
.mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_row_channel{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf,#serpv
idans.vsacf .expctn .expbody,#serpvidans.vsacf
.mmlist{display:flex;flex-direction:column;gap:var(--smtc-gap-between-content-medium)}#serpvidans.vsacf
.cico{height:auto}#serpvidans.vsacf .mc_vtvc_ban_lo{top:0;right:auto}#serpvidans.vsacf .mc_cwvc .mc_vtvc
.mc_vtvc_meta,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta{height:auto;padding:var(--smtc-gap-between-content-xx-small) 0
var(--smtc-gap-between-content-xx-small)
var(--smtc-gap-between-content-medium);display:flex;flex-direction:column;justify-content:space-between}#
serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_title,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta
.mc_vtvc_title{color:var(--smtc-ctrl-link-foreground-brand-rest);font:var(--bing-smtc-text-global-body2);heig
ht:auto;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#serpvidans.vsacf .mc_cwvc
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.mc_vtvc_meta_block,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block{display:flex;flex-direction:column;gap:var(--smtc-padding-ctrl-text-side)}#serpvidans.
vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area .mc_vtvc_meta_row,#serpvidans.vsacf
.mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row,#serpvidans.vsacf .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area .mc_vtvc_meta_row,#serpvidans.vsacf .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
.mc_vtvc_meta_row{color:var(--smtc-foreground-content-neutral-primary);height:var(--mai-smtc-padding-car
d-default);font:var(--bing-smtc-text-global-caption1)}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf
.mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
```

```
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.mc_vtvc_meta_block_area .mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf
.mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
.mc_vtvc_meta_row_channel::before{content:" . "#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block
.mc_vtvc_meta_pubdate{color:var(--bing-smtc-foreground-content-neutral-tertiary);padding-bottom:0}.vsacf
.mc_cwvc .mc_vtvc_con_rc,.vsacf .mmlist .mc_vtvc_con_rc{display:flex}.vsacf .mc_cwvc .mc_vtvc_con_rc
.mc_vtvc_meta_w,.vsacf .mmlist .mc_vtvc_con_rc .mc_vtvc_meta_w{height:auto}.vsacf
.b_title{padding-left:0}.vsacf .b_title
.mmtitle{font:var(--bing-smtc-text-global-subtitle-1-strong);margin-bottom:0}.vsacf .b_title .mmtitle
a::after{content:"";margin:5px 5px 0 0;border-top:2px solid
var(--smtc-foreground-content-neutral-primary);border-right:2px solid
var(--smtc-foreground-content-neutral-primary);background-size:7px
7px;width:7px;height:7px;transform:rotate(45deg);display:inline-block;margin-left:4px}#serpvidans.vsacf
.b_title .mmtitle{margin-bottom:0}#serpvidans.vsacf .b_title .mmtitle
a{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf .cardless.mmlist
.mc_vtvc_con_rc,#serpvidans.vsacf .cardless.mmlist .mc_vtvc_th{height:auto}#serpvidans.vsacf
.vsb_tr_c.va_tt{margin:0}#serpvidans.vsacf .vtbc .mv_vtvc_play,#serpvidans.vsacf .vtbc
.mv_vtvc_play_ext{position:static}#serpvidans.vsacf .va_tt
.mc_vtvc_ban_lo{display:block}#serpvidans.vsacf
.mc_bc{width:auto;border-radius:var(--smtc-ctrl-badge-sm-corner);padding:var(--smtc-padding-ctrl-text-side)
var(--smtc-gap-between-content-xx-small)}#serpvidans.vsacf .rmts .mc_bc
ems{display:none}#serpvidans.vsacf a.vsb_tr_t{color:var(--smtc-foreground-content-neutral-primary)}.vsacf
.va_tt .vsb_tr_chd .mc_vtvc_th_dock.rmoverlay{height:36px}.vsacf .va_tt .vsb_tr_chd
.mc_vtvc_th_dock{height:92px;background:linear-gradient(180deg,var(--bing-smtc-background-ctrl-fade-on-i
mage-stop-0) 0%,var(--mai-smtc-background-ctrl-on-image-rest) 100%)}.vsacf .va_tt a.vsb_tr_t{padding:0
0;font:var(--bing-smtc-text-global-body-2-alt-strong)}.vsacf .va_tt .vsb_tr_chd .mc_vtvc
.mc_vtvc_meta,.vsacf .va_tt .vsb_tr_chd .mc_vtvc
.mc_vtvc_title{color:var(--mai-smtc-foreground-ctrl-on-image-rest)}.vsacf
span.vcmt_ctt{font:var(--bing-smtc-text-global-caption2);margin:var(--smtc-gap-between-content-xx-small) 0
0;height:16px}#serpvidans.vsacf .vsb_tr_chd .mc_vtvc_tot .mc_vtvc_title
strong{font-size:14px;line-height:20px;display:unset}#serpvidans.vsacf .va_tt .b_sldrp
.slide:not(:first-child){margin-left:var(--smtc-gap-between-content-small)}#serpvidans.vsacf .va_tt
.vsb_tr_chd .mc_vtvc
.mc_vtvc_title{white-space:normal;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#se
rpvidans.vsacf .b_module_expansion_control .b_btnContainer
.b_CompactExpansion{background-color:var(--bing-smtc-background-ctrl-neutral-rest);display:flex;justify-co
ntent:center;align-items:center;gap:4px;width:fit-content;height:auto;padding:8px 12px}#serpvidans.vsacf
.b_module_expansion_control .b_btnContainer .b_CompactExpansion
```

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```
.b_CompactExpansionBtnText{font:var(--bing-smtc-text-global-caption1-strong);color:var(--bing-smtc-foreground-ctrl-neutral-primary-alt-rest)}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer
.b_CompactExpansion .b_arrow{display:flex;margin:0;height:auto}#serpvidans.vsacf
.b_module_expansion_control .b_btnContainer .b_CompactExpansion .b_arrow
path#Shape{fill:var(--bing-smtc-foreground-ctrl-neutral-primary-alt-rest)}#serpvidans.vsacf
.b_module_expansion_control
.b_btnContainer::after{content:"";position:absolute;width:100%;bottom:20px;left:0;height:1px;border-radius:
1px;background:var(--smtc-stroke-ctrl-on-neutral-rest)}#b_results
.b_ans.b_vidAns{box-shadow:none;padding:12px 20px 0}#b_results .b_ans.b_vidAns
.vasac{padding:unset;margin:0}#b_results .b_ans.b_vidAns .vsa .b_attribution{padding-bottom:0}#b_results
.b_ans.b_vidAns .cardless .salink{margin:0}#b_results .b_ans.b_vidAns .mmlist
.mc_vtvc{margin-top:10px}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc
.mc_vtvc_meta{display:flex;flex-direction:column;justify-content:space-between;margin:0 10px 4px
12px}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_channel{color:#111}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_row_channel,#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area{color:#666}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area{bottom:0;height:unset}.b_dark .vsa.cardless
.mc_vtvc{background-color:unset}.mmtitle>a{display:block}.mc_fh{height:100%;border-radius:6px}.mc_tc_
bs{overflow:hidden}.mmlist .mc_vtvc .mc_vtvc_meta { padding: 12px 16px 16px 16px; } .mmlist .mc_vtvc
.mc_vtvc_meta_w { height: 112px; margin-top: -0px; } .mmlist .mc_vtvc .mc_vtvc_title { height: 44px;
line-height: 22px; margin-bottom: 0px; margin-top: 0px; } .mmlist .mc_vtvc .mc_vtvc_meta_block_area {
height: 40px; } .mmlist .mc_vtvc .vtmu, .mmlist .mc_vtvc .vtpl { bottom: 120px; } .mmlist .mc_vtvc_th_dock
{ height: 112px; } .mmlist .mc_vtvc_th .cico { height: 131px; }
.mc_vtvc{background-color:#fff;box-shadow:0 0 0 1px
rgba(0,0,0,.05);line-height:0;margin:0;position:relative;border-radius:6px;overflow:hidden}.mc_vtvc.noshado
w{box-shadow:none}.mc_vtvc_con_rc{border-radius:6px;overflow:hidden;position:relative}.mc_vtvc>a{colo
r:#71777d;display:block;text-decoration:none;width:100%}.mc_vtvc>a:focus::after{outline:2px solid
#00a89d;width:100%;height:100%;content:"";outline-offset:-2px;position:absolute;top:0;left:0}.mc_vtvc_th{ba
ckground-color:#d5d5d5;position:relative}.mc_vtvc_th
.cico{border-radius:0}.mc_vtvc_ban_lo,.mc_vtvc_ban_up{position:absolute;vertical-align:middle}.mc_vtvc_
ban_lo{bottom:0}.mc_vtvc_ban_up{top:0}.mc_vtvc_title{font-weight:normal;margin-bottom:11px;overflow:
hidden;color:#111;height:54px;line-height:18px}.mc_vtvc_title
a{display:inline-block;color:#111}.mc_vtvc_title
a:hover{text-decoration:underline}.mc_vtvc_src_ico{float:left;margin-right:4px}.mc_vtvc_act{height:16px;m
argin-top:-40px;padding:12px
8px;z-index:1}.mc_vtvc_actc{right:16px;bottom:16px;position:absolute;display:inline-block;z-index:1}.mc_v
tvc_act_sep{border-top:1px solid #d5d5d5;height:40px;margin:0 8px}.mc_vtvc_fh
.mc_vtvc_act_sep,.mc_vtvc_fh .mc_vtvc_act{visibility:hidden}#serpvidans
.b_topTitle{margin-bottom:8px}.mc_vtvc_htc{width:100%;height:100%;position:absolute;top:0;bottom:0;left
:0;right:0}.mc_vtvc_htb{width:100%;height:100%;background:rgba(0,0,0,.7);position:absolute;top:0;bottom:
0;left:0;right:0}.mc_vtvc_ht{width:100%;padding:0
```



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16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-box;vertical-align:middle;text-align:center}.mc_vtvc_th_live_b{background-color:#c80000;color:#fff;display:inline-block;padding:2px 8px;font:11px/14px Arial;border-radius:2px;text-transform:uppercase;height:15px;width:26px;position:absolute;left:8px;top:110px}.isvctrl .isv
.mc_vtvc_ban_up{left:0;right:initial}.mc_vtvc_ban_lo,.mc_vtvc_ban_up{right:0}.vt_text.b_lRight
.b_lLeft{margin:0 0 0 1px;height:14px;line-height:14px;padding:2px 8px;background:rgba(0,0,0,.75);border-radius:2px;font-weight:bold}.mc_vthtb{width:100%;height:100%;background:rgba(0,0,0,.7);position:absolute;top:0;bottom:0;left:0;right:0;display:table}.mc_vtht{width:100%;padding:0
16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-box;vertical-align:middle;text-align:center;display:table-cell}.vt_text.b_lRight .b_lLeft{margin:0 0 0 1px;height:14px;line-height:14px;padding:2px 8px;background:rgba(0,0,0,.75);border-radius:2px;font-weight:bold}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_center_play{width:32px;height:32px;background-size:contain;position:absolute;margin:auto;bottom:0;top:0;left:0;right:0;box-shadow:none;border-radius:0}.mc_vtvc_center_play.rmvbg{width:32px;height:32px;background-image:none}.mc_vtvc_htb,.mc_vtvc_ht{display:none}.vt_onhv .mc_vtvc_htb{display:table}.vt_onhv
.mc_vtvc_ht{display:table-cell}.mc_vtvc_center_play{display:inline-block}.vt_onhv
.mc_vtvc_center_play{display:none}.mc_vtvc .vtmu,.mc_vtvc .vtpl{bottom:163px}.vsarf .mc_vtvc .vtmu,.vsarf .mc_vtvc .vtpl{bottom:122px}.svarh #mmcar .mc_vtvc .vtmu,.svarh #mmcar .mc_vtvc .vtpl{bottom:137px}.svarht #mmcar .mc_vtvc .vtmu,.svarht #mmcar .mc_vtvc .vtpl{top:8px;left:8px}.mc_vtvc_center_play{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2232%22%20height%3D%2232%22%20viewBox%3D%220%200%2032%2032%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%20%20%20%20%3Crect%20width%3D%2232%22%20height%3D%2232%22%20rx%3D%2216%22%20fill%3D%22black%22%20fill-opacity%3D%220.6%22%2F%3E%0D%0A%20%20%20%20%3Cpath%20d%3D%22M14.2354%2010.1923C13.2355%209.62986%2012%2010.3524%2012%2011.4997V20.5C12%2021.6472%2013.2355%2022.3698%2014.2354%2021.8073L22.2356%2017.3073C23.2551%2016.7339%2023.2551%2015.2661%2022.2357%2014.6926L14.2354%2010.1923Z%22%20fill%3D%22white%22%20fill-opacity%3D%220.9%22%2F%3E%0D%0A%3C%2Fsvg%3E)}.mmlist .mc_vtvc{margin:10px 1px 0}.mmlist
.mc_vtvc_con_rc{display:flex}.cardless .mmlist .mc_vtvc_con_rc{height:112px}.mmlist .mc_vtvc
.mc_vtvc_meta{display:flex;flex-direction:column;justify-content:space-between;margin:0 10px 4px 12px;padding:0}.mmlist
.mc_vtvc_title{font-weight:400;font-size:16px;height:44px;line-height:22px;margin-bottom:0;margin-top:0;color:unset}.mmlist .mc_vtvc_meta_row{font-size:13px}.mmlist .mc_vtvc
.mc_vtvc_meta_block_area{height:unset}.mmlist .mc_vtvc .vtmu,.mmlist .mc_vtvc
.vtpl{bottom:8px}.cardless .mmlist .mc_vtvc{box-shadow:none}.cardless.mmlist
.mc_vtvc_center_play{width:32px;height:32px}.cardless.mmlist
.mc_vtvc_title{font-size:16px;color:unset}.cardless.mmlist
.mc_vtvc_meta_row{line-height:20px}.cardless.mmlist
.mc_vtvc_meta_pubdate{padding-bottom:2px;color:#666}.cardless.mmlist .mc_vtvc_th,.cardless.mmlist

```

```
.mc_vtvc_th .cico,.cardless.mmlist .mc_vtvc_th div.rms_img{border-radius:6px}.cardless.mmlist
.mc_vtvc_th{height:111px}.cardless.mmlist
.mc_vtvc_htc{border-radius:6px;overflow:hidden}#serpvidans.vasac.cardless{box-shadow:none}.cardless.m
mmlist .mc_bc{padding:2px 8px;line-height:14px;border-radius:2px;font-weight:normal}.mmlist
.mc_vtvc:hover
.mc_vtvc_title{text-decoration:underline}.mc_vtvc_meta{box-sizing:border-box;display:inline-block;line-hei
ght:18px;position:relative;width:100%}.mc_vtvc_meta_block{bottom:0;position:absolute;width:100%}.mc_v
tvc_meta_row{line-height:16px;font-size:11px;height:17px;overflow:hidden;text-overflow:ellipsis;white-spac
e:nowrap}.mc_vtvc_meta_row a{display:inline-block}.mc_vtvc_meta_row a:hover{text-decoration:underline}.mc_vtvc_meta_block_area{position:relative}.mc_vtvc_meta_block,.mc_v
tvc_meta_block a{color:#444}.b_dark
.mc_vtvc_meta_block{color:#edebe9}.mc_vtvc_meta_row>:nth-of-type(n+2)::before{content:"
"}.mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before{content:">
"}.mc_vtvc_kmt_title{line-height:18px;padding-bottom:4px;font-weight:bold;color:#00809d;text-transform:u
ppercase;font-size:11px}.mc_vtvc_kmt,.mc_vtvc_con_rc.onhov .wkmt
.mc_vtvc_meta_row,.mc_vtvc_con_rc.onhov .wkmt .tbc_tt{display:none}.mc_vtvc_con_rc.onhov .wkmt
.mc_vtvc_title{max-height:18px;margin-bottom:18px;overflow:hidden}.mc_vtvc_con_rc.onhov.mmsts
.mc_vtvc_title{visibility:hidden}.mc_vtvc_con_rc.onhov
.mc_vtvc_kmt{display:block}.mc_vtvc_kmt_content
.b_factrow{line-height:17px;font-size:11px;max-height:34px;overflow:hidden;text-overflow:ellipsis;padding:
0 16px 0 0;color:#444}.mc_vtvc_meta
.mc_vtvc_kmt_title{line-height:18px}.mc_vtvc_title:hover{text-decoration:none}.mc_vtvc_meta_pubdate{co
lor:#444;padding-bottom:3px}.mc_vtvc_meta_channel{color:#444}.mc_vtvc_meta_w,.mc_vplvc_meta_w{po
sition:relative}.mc_vtvc_meta_bg_w,.mc_vplvc_meta_bg_w{height:100%;width:100%;overflow:hidden;posit
ion:absolute;top:0}.mc_vtvc_meta_bg_w .cico,.mc_vplvc_meta_bg_w
.cico{border-radius:0;overflow:visible}.dg_u .mm_vidch_th_c{overflow:visible}.dg_u .mm_vidch_th_bg
img{margin-top:-20px}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_meta_w
.mc_vtvc_meta{background:rgba(255,255,255,.75)}.mc_vtvc_meta_bg_w img,.mc_vtvc_meta_bg_w
.mc_vtvc_cb_w{filter:blur(25px);transform:scale(1.2)}body[--video-metadata-channel-color:#3c3c3c]body.b
_dark[--video-metadata-channel-color:unset].vsarf .mc_vtvc_meta_pubdate{color:unset}.vsarf
.mc_vtvc_meta_channel{color:var(--video-metadata-channel-color)}.vsarf .mc_vtvc .mc_vtvc_meta_w
.mc_vtvc_title,.vsarf .mc_vtvc .mc_vtvc_meta_w .mc_vtvc_title strong{font-weight:bold}.vsarf
.mc_vtvc_meta_w .mc_vtvc_meta_row{font-size:13px}.emptyStyleForDebuggingPurpose{top:0}.vsarf
.mc_vtvc_th
.cico{height:132px}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.empt
yStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurp
ose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.vtbc
.mv_vtvc_play{display:inline-block;position:absolute;bottom:8px;left:9px;height:8px;width:7px}.vtbc
.mv_vtvc_play_ext{background:url(/rp/Lp38sn_O4jegSK0IHxZVxyp-yKQ.png) -172px
-31px;display:inline-block;height:8px;width:12px;position:absolute;bottom:8px;left:6px}.vtbc
.pivot{height:20px;width:8px;min-width:8px}.vtbc
.mv_vtvc_play{background:url(
```



# Photovoltaic panel charging control

```

MAAADHKvg1AAAAIvBMVEX////////////////////////////////////9/gMdvAAAACnRSTIMAETNEVWaImbv
uo4D1oAAAAB9JREFUCB1jmMoABKuaQcSqQhCxKgFGgLhNQIkpQAwA8zkLyQA16F0AAAAASUVO
RK5CYII=)}.mc_bc_w{height:18px;padding:8px;text-align:right}.mc_bc{background-color:rgba(0,0,0,.75);p
adding:2px
8px;line-height:14px;color:#fff;display:inline-block;vertical-align:middle;border-radius:2px;font-weight:bold}
.mc_bc_w      .pivot{text-align:center;margin-right:1px;height:14px}.vsarr      .mmgrid      .mc_bc_w
.mc_bc{background-color:rgba(0,0,0,.75);opacity:1}.mmsi{height:16px;width:16px;position:relative;top:5px;
padding-right:var(--smtc-gap-between-content-xx-small)}.mmsi-microsoftnews,.mmsi-msn{top:3px}.vrhdata
{display:none}.mmgrid>div{width:197px;display:inline-block;margin-right:8px;margin-bottom:8px;box-shad
ow:0          0          0          1px
rgba(0,0,0,.05);position:relative;vertical-align:top;overflow:hidden;white-space:normal;border-radius:6px}.vs
arr .mmgrid>div,.vsarr1stbig .mmgrid>div{margin-right:8px;margin-bottom:8px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta{height:auto}#serpvidansrr .mc_vtvc
.mc_vtvc_title{display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}.mmgrid
.mc_tc{border:0}.vsa .mmgrid>div:nth-child(3n){margin-right:0}.vsa
.b_moreLink{padding-top:4px}#serpvidansrr
.mc_vtvc_meta_row{line-height:18px;font-size:100%;height:17px}.vsarr
.mmgrid>div:nth-child(2n){margin-right:0}#serpvidansrr .mc_vtvc .vtmu,#serpvidansrr .mc_vtvc
.vtpl{bottom:128px}.vsarr1stbig .mmgrid>div:nth-child(2){margin-right:0}#serpvidansrr.uipolish
.mc_vtvc_meta_pubdate,#serpvidansrr.uipolish .mc_vtvc_meta_channel,#serpvidansrr.uipolish #vidans2
.b_videocard .video_metadata .video_source{color:#767676}#serpvidansrr #vidans2 .b_videocard
.video_metadata_container,#serpvidansrr #vidans2 .b_videocard .video_metadata_container
.video_metadata>h3{width:100%}@media(max-width:1362.9px){#serpvidansrr
.mmgrid>div{width:168px;height:206px}#serpvidansrr .mmgrid>div .cico,#serpvidansrr .mmgrid>div .cico
.rms_img{width:168px;height:100px}#serpvidansrr .mc_vtvc .mc_vtvc_meta{padding:12px}#serpvidansrr
.mc_vtvc .mc_vtvc_title{height:32px;line-height:16px;margin-bottom:16px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:34px}#serpvidansrr
.mc_vtvc_meta_row{line-height:15px;font-size:13px;height:15px}#serpvidansrr
.mc_vtvc_meta_pubdate{padding-bottom:4px}#serpvidansrr .mc_vtvc .vtmu,#serpvidansrr .mc_vtvc
.vtpl{bottom:114px}#serpvidansrr #vidans2 .b_videocard .videoPlayer,#serpvidansrr #vidans2 .b_videocard
.videoPlayer .cico,#serpvidansrr #vidans2 .b_videocard .videoPlayer .cico
.rms_img{width:343px!important;height:194px!important;margin-right:0} @media(max-width:1274.9px){#s
erpvidansrr .mmgrid>div{width:124px;height:164px}#serpvidansrr .mmgrid>div .cico,#serpvidansrr
.mmgrid>div .cico .rms_img{width:124px;height:76px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta{padding:8px}#serpvidansrr .mc_vtvc
.mc_vtvc_title{height:32px;line-height:16px;margin-bottom:12px}#serpvidansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:28px}#serpvidansrr
.mc_vtvc_meta_row{line-height:13px;font-size:11px;height:13px}#serpvidansrr
.mc_vtvc_meta_pubdate{padding-bottom:2px}#serpvidansrr .mc_vtvc .vtmu,#serpvidansrr .mc_vtvc
.vtpl{bottom:96px}#serpvidansrr #vidans2 .b_videocard .videoPlayer,#serpvidansrr #vidans2 .b_videocard
.videoPlayer .cico,#serpvidansrr #vidans2 .b_videocard .videoPlayer .cico
.rms_img{width:256px!important;height:144px!important;margin-right:0}#serpvidansrr .maskthumb

```

```
.mc_bc_w{padding:8px 4px 4px 8px}#serpvidansrr.withsplitline
.mmgrid>div:nth-last-child(1),#serpvidansrr.withsplitline
.mmgrid>div:nth-last-child(2){margin-bottom:24px}#serpvidansrr.withsplitline .mmgrid{border-bottom:1px
solid #ececec;margin-bottom:16px}#serpvidansrr #vidans2 .b_videocard
.video_metadata{max-width:auto;padding:12px 16px}#serpvidansrr #vidans2
.b_videocard{margin-bottom:12px;box-shadow:0 0 1px rgba(0,0,0,.05),0 2px 3px
rgba(0,0,0,.1);border-radius:6px}#serpvidansrr .b_rich{padding-top:0}#serpvidansrr #vidans2
.videoPlayer{border-radius:6px 6px 0 0;overflow:hidden}#serpvidansrr #vidans2 .b_videocard
.video_metadata>h3{white-space:nowrap;overflow:hidden;text-overflow:ellipsis;-webkit-line-clamp:1;line-he
ight:15px;height:15px;font-size:13px;color:#000;margin-bottom:20px;font-family:"Arial",Helvetica,Sans-Seri
f;font-style:normal;display:block}#serpvidansrr.vsarr1stbig #vidans2 .b_videocard .video_metadata
.actionmenu{display:none}#serpvidansrr #vidans2 .b_videocard .video_summary,#serpvidansrr #vidans2
.b_videocard .video_source{line-height:15px}#serpvidansrr #vidans2 .b_videocard .videoPlayer
.vtbc{right:0}.vrhc line.nhvpv .pffvi,.vrhc line.nhvpv[data-tps="S"] .pffvt,.vrhc line.nhvpv[data-tps="M"]
.pffvt,.vrhc line.nhvpv[data-tps="L"] .pffvt{display:inline-flex}.vrhc line.nhvpv .vrhct.pffv
.vrhc{display:none}.vrhc line.nhvpv .vrhct.pffv
.player_ol{background:var(--mai-smtc-background-ctrl-on-image-hover);transition:background-color
.5s;display:flex;align-items:center;justify-content:center;padding:var(--smtc-gap-between-content-x-small);ga
p:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.mc_vtvc_th img{transition:all .3s
ease-out}.nhvpv+.mc_vtvc_th
img{transform:scale(1.1)}.smtplayerhtml5{height:100%;width:100%;overflow:hidden}.smtplayerhtml5
video{min-height:100%;min-width:100%}.smtplayerhtml5
.videoplaying{background-color:#000}.smtplayerhtml5.hide{display:none}.pffvt{display:none;color:var(--ma
i-smtc-foreground-ctrl-on-image-rest);font:var(--bing-smtc-text-global-subtitle2-strong)}.pffvi{mask:url(/rp/ui
07wU6K7FR_inzG7DRbP1i8fGo.svg) center
no-repeat;mask-size:12px;background:var(--bing-smtc-background-card-on-image-default);width:20px;height
:20px;flex-shrink:0;align-self:flex-start}[data-tps="L"]
.pffvt{font:var(--bing-smtc-text-global-subtitle2-strong)}[data-tps="L"]
.pffvi{width:22px;height:22px;mask-size:16px}[data-tps="S"] .pffvt{font-size:0}[data-tps="S"]
.pffvi{width:24px;height:24px;mask-size:24px;align-self:center}.hvpv.h5s
.pffvt{display:inline-flex}.hvpv.h5s .vrhct.pffv .vrhc{display:none}.hvpv.h5s .vrhct.pffv
.player_ol{background:var(--mai-smtc-background-ctrl-on-image-hover);transition:background-color
.5s;display:flex;align-items:center;justify-content:center;padding:var(--smtc-gap-between-content-x-small);ga
p:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.pffvt{text-decoration:underline}.vrhc
.vrhc{position:absolute;width:100%;height:35px;max-height:35px;bottom:0;left:0;padding:0;background:non
e;display:block;z-index:9}.vrhc .vrhc.hide,.vrhc .vrhc
.hide{display:none}.vrhc{white-space:nowrap;text-overflow:ellipsis;overflow:hidden;display:inline-block;po
sition:absolute;max-width:240px;height:18px;line-height:14px;margin-left:8px;top:10px;left:0;right:0;border-
radius:2px;padding-right:8px}.vrhc div{display:inline-block}.vrhc
nt{color:#fff;font-size:11px;font-weight:bold;background-color:rgba(0,0,0,.75);padding:2px
8px;margin-left:0;top:0;box-sizing:border-box;position:relative}.vrhc
.ricons{position:absolute;right:8px;top:10px;left:auto;bottom:auto;height:18px;display:inline-block;cursor:poi
```

# Photovoltaic panel charging control

```
nter}.vrhol.icons_1      .vrhot{margin-right:27px}.vrhol.icons_2      .vrhot{margin-right:49px}.vrhol.icons_3
.vrhot{margin-right:79px}.vrhol      .vrhot      nt,.vsb_tr_chd      .vrhol.icons_1
.vrhot{margin-right:0}.vpb{position:absolute;display:block;bottom:0;left:0;height:4px}.vpb
div{position:absolute}.vpb      nt{width:0;background:#fff}.vpb
nt.test{display:none}.vpb.back{background-color:#999}.vrhcp
.vrhol.npb{height:36px;max-height:36px}.vrhol
.vadda{width:22px;height:18px;padding:0;margin-right:0;margin-left:2px;bottom:0;position:relative;display:i
nline-block;z-index:1;background:rgba(0,0,0,.75);border-radius:2px;overflow:hidden}.vrhol
.vadda.hide{display:none}.vrhol      .vadda      .mc_vfaa{margin:3px      5px}.ricons      .vol{float:left}.ricons
.adultFlag{float:right}.vol{width:22px;height:18px;bottom:0;margin-left:1px;margin-right:1px;position:relati
ve;display:inline-block}.vol.hide,.vol      .hide{display:none}.vol
.bg{background:rgba(0,0,0,.75);border-radius:2px}.vol.bg,.vol      nt{position:absolute;bottom:0}.vol
.vol.bg.volnb{border-radius:0 0 2px 2px}.vol      .volsliderHandle.bg{border-radius:2px 2px 0 0}.vol      nt
.volsliderHandle{height:70px;display:none;width:22px;float:left;bottom:18px;position:absolute;display:block
}.vol      nt      .volsliderHandle.hide{display:none}.volsliderHandle
.vsb{height:54px;width:4px;background-color:#999;margin:9px      auto
8px;position:relative;display:block;border-radius:2px}.volsliderHandle
.vsh{height:6px;width:14px;padding:9px      7px      9px      7px;margin:0
-12px;display:block;position:absolute;top:30px}.volsliderHandle      .vsh.hide{display:none}.volsliderHandle
.vshi{height:4px;width:14px;background-color:#fff;border-radius:2px}.volMuteIcon{width:16px;height:14px;
margin:2px
4px;float:left}.volMuteHandle{width:22px;height:18px}.vo{background:url(/rp/fFZxBXEIP9WYOO0jhTaEl
yLhEVU.svg)      no-repeat}.vm{background:url(/rp/fsX-ZVd03wB2TL0vmQJxSp4U9vs.svg)
no-repeat}.vl{background:url(/rp/YXYMPC1Rry_XJGc7Yg8IR4B2eEs.svg)
no-repeat}.vf{background:url(/rp/NosrIR4amKTs1zYxWy3laZN3HRk.svg)
no-repeat}@media(forced-colors:active){.vol{forced-color-adjust:none}.vrhc      line      .vt_vp,.vrhc.popout
.vt_vp,.vrhc.mousefollow
.vt_vp{position:absolute;bottom:0;border:hidden;padding:0;top:0;left:0;z-index:3}.vrhtc
.hide{display:none}.vrh_clc      .vt_vp,.vrh_clc      .vrhtc      .vrhi,.vrh_clc      .player_ol{cursor:pointer}.vrh_clc
.cico{border-radius:0}.vrhtc{border:hidden;top:0;left:0;padding:0}.vrhc.mousefollow      .vrhtc,.vrhc.popout
.vrhtc{background-color:#999}.vrhtpc.load
.player_ol{background:url(/rp/J_o2maogFDeUOsovPJL-ofEuxJ4.gif) center center no-repeat}.vrhc      line      .vrhtc
.vrhi,.vrhc.popout      .vrhtc      .vrhi,.vrhc.mousefollow      .vrhtc
.vrhi{position:absolute!important;border:hidden;z-index:2;padding:0;left:0;top:0}.player_ol{position:absolute
;width:100%;height:100%;bottom:0;border:hidden;z-index:7}.vrhc.popout,.vrhc
line,.vrhc.mousefollow{border-radius:6px;overflow:hidden;display:table-row-group;background:none}.vrhc.p
opout,.vrhc.mousefollow{z-index:4;box-shadow:0 4px 4px rgba(0,0,0,.1),0 2px 80px rgba(0,0,0,.2)}.vrhc
line{z-index:1;margin:0}.vrhc.popout,.vrhc      line{position:absolute;top:0}.vrhc.popout{border:1px      solid
#fff}.vrhc.mousefollow{position:fixed}.vrhcp{position:relative;top:0;left:0;display:table-row}.vrhcp
.vrhtc{position:relative;overflow:hidden}.vrhc.hide{display:none}@keyframes
vh_fadein{from{opacity:0}to{opacity:1}}.vrhc.not(.hide){animation:vh_fadein      250ms}.vrhc      line
img{color:transparent}.vrhc
```

line.fullsize{height:100%}.vrhc,.vrhc:hover,.vrhc:link,.vrhc:active,.vrhc:visited{color:#000;text-decoration:none}.vrhc.vrh\_clc{cursor:pointer}a.hover-anchor{display:block;height:100%;width:100%;text-decoration:none}.vrhstat{height:0;overflow:hidden}Videos of Photovoltaic Panel Charging ControlWatch video16:30How to Size Solar Charge Controller #solarpanelinstallation #solarenergy Solarwattng217.5K viewsMay 10, 2024Watch video3:17How to Set Up a Solar Charge Controller + Off-Grid Inverter System? PowMr Solar1.7K views6 months agoWatch video24:52Exploring a mass produced solar charge controller bigclivedotcom287.2K views7 months agoWatch full video.product-card-container{margin:0 -20px;position:relative;display:block}.product-card-container .cmuipcm-content-cntr\_\_base-info{min-height:unset}.product-card-container merce-ui-image-wrapper\_\_image-container .cico img{vertical-align:middle}.product-card-container .cmuipcm-meta-data.cmuipcm-meta-data--hoverable{display:none}#b\_results .shoppingCollageAcfCarouselCard,#b\_results .shoppingCollageAcfGridCard{width:100%;height:auto}.big-height-product-card-container.shpclg-art .product-card-content .cmuipcm-content-cntr\_\_title{-webkit-line-clamp:2}.shpclg-art .product-card-content .cmuipcm-content-cntr\_\_title{-webkit-line-clamp:1}.product-card-hoverable-template{display:none}.shop-image-collage{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;-webkit-box-pack:justify;-ms-flex-pack:justify;justify-content:space-between;-webkit-box-align:stretch;-ms-flex-align:stretch;align-items:stretch}.shop-image-collage+.shop-image-collage{margin-top:16px}.product-card-content,.product-card-content .product-card-normal,.product-card-content .product-card-normal merce-ui-product-card-medium\_\_target-link{height:100%}.products-wrapper-slide{position:relative;min-height:200px}.products-wrapper-slide .b\_overlay .btn{height:48px;width:36px;top:50%;margin-top:-24px}.products-wrapper-slide .b\_overlay .btn .bg{background-color:unset;opacity:0}.products-wrapper-slide .b\_overlay .btn.acfdefaultchev.next{right:-18px!important}.products-wrapper-slide .b\_overlay .btn.acfdefaultchev.prev{left:-18px!important}.products-wrapper-slide .slide{box-shadow:none!important;height:100%}.product-card-normal:focus,.product-card-normal:focus-visible{border-radius:16px} merce-ui-product-card-medium .cmuipcm-content-cntr .cmuipc-seller .cico{border-radius:3px}.b\_dark .products-wrapper-slide .b\_slidebar .slide,.b\_drk .products-wrapper-slide .b\_slidebar .slide{background-color:unset!important}body> -product-card-hoverable-overlay{position:absolute;z-index:4;pointer-events:auto;opacity:0;overflow:visible;transition:opacity .15s ease-in-out}body> -product-card-hoverable-overlay.hoverable-visible{opacity:1}body> -product-card-hoverable-overlay merce-ui-product-card-medium\_\_target-link{min-height:100%}#bpage .products-wrapper-slide .b\_slidebar{padding-left:16px;padding-right:16px}#b\_results .product-card-container{margin:0}.b\_acf\_card{box-sizing:border-box;border-radius:var(--mai-smtc-corner-card-default);-webkit-user-select:none;user-select:none;position:relative;width:100%;height:100%}.b\_acf\_card .b\_acf\_bckgnd{background:var(--bing-smtc-background-card-on-primary-alt-rest)}.b\_acf\_card\_link{border-radius:var(--mai-smtc-corner-card-default);outline-offset:-1px;position:absolute;width:100%;height:100%}.b\_acf\_card\_link:hover{text-decoration:unset}.acf\_col1\_4{width:140px}.acf\_col1\_6{width:160px}@media(forced-colors:active){.b\_acf\_card\_link{background-color:unset}.b\_acf\_card[link].acf\_t\_c\_title{color:LinkText!important}}.acf\_col1{width:88px}.acf\_col2{width:200px}.acf\_col3{width:312px}.acf\_col4{width:424px}.acf\_col5{width:536px}.acf\_col6{width:648px}.acf\_col7{width:760px}.acf\_col8{width:872px}.acf\_col9{width:984px}.acf\_col10{width:1096px}.acf\_col11{width:1208px}.acf\_col12{width:

# Photovoltaic panel charging control

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1320px}.acf_row1{height:88px}.acf_row2{height:200px}.acf_row3{height:312px}.acf_row4{height:424px}.
acf_row5{height:536px}.acf_row6{height:648px}.acf_row7{height:760px}.acf_row8{height:872px}.acf_row
9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px}.acf_row12{height:1320px}.b_overla
y
.btn{height:100%;position:absolute;width:20px;cursor:pointer;z-index:1;-moz-user-select:none;-khtml-user-se
lect:none;-webkit-user-select:none;-o-user-select:none;-ms-user-select:none;user-select:none}.b_overlay .btn
*{transition:opacity .3s linear}.b_overlay .btn
.bg{position:absolute;width:100%;height:100%;background-color:#444;opacity:.3;filter:alpha(opacity=30)}.b
_overlay .btn.nobg .bg{background-color:transparent}.b_overlay .btn:hover
.bg{opacity:.7;filter:alpha(opacity=70)}.b_overlay .btn.nohover:hover
.bg{opacity:.3;filter:alpha(opacity=30)}.b_overlay .btn.disabled .bg,.b_overlay .btn.nohover.disabled
.bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay .btn.hidden .bg,.b_overlay .btn.nohover.hidden
.bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay .btn.disabled,.b_overlay
.btn.hidden{cursor:default}.b_overlay .btn .cr{text-align:center;line-height:0}.b_overlay
.btn.bld.polecarchev.hidden .cr,.b_overlay .btn.bld.polecarchev.disabled .cr,.b_overlay
.btn.bld.rounded.hidden .cr,.b_overlay .btn.bld.rounded.disabled .cr,.b_overlay .btn.bld.bigrounded.hidden
.cr,.b_overlay .btn.bld.bigrounded.disabled .cr{opacity:.01;visibility:unset}.b_overlay .btn.hidden
.cr,.b_overlay .btn.disabled .cr{visibility:hidden}.b_overlay .btn.prev.ltr .cr,.b_overlay .btn.next.rtl
.cr{transform:scaleX(-1)}.b_overlay .btn.next{right:0}.b_overlay .btn .cr>div{background-size:40px
200px;background-repeat:no-repeat;width:20px;height:40px;background-position:-10px 0}.b_overlay .btn
.cr>div{background-image:url(/rp/S9IIHAMBBy7JxaR5m1KRvMwDswyw.png)}.b_overlay
.acfdefaultchev.btn.next{right:0!important}.b_overlay .acfdefaultchev.btn.prev{left:0!important}.b_overlay
.acfdefaultchev.btn:hover .bg{opacity:unset;filter:unset}.b_overlay .acfdefaultchev.btn.disabled,.b_overlay
.acfdefaultchev.btn.hidden{display:none}.b_overlay .acfdefaultchev.btn{width:48px}.b_overlay
.acfdefaultchev.btn .bg{opacity:unset}.b_overlay .acfdefaultchev.btn.prev .cr{left:0}.b_overlay
.acfdefaultchev.btn.next .cr{right:0}.acfdefaultchev
.cr{display:flex;justify-content:center;align-items:center;flex:1 0
0;align-self:stretch;width:36px;height:48px;position:absolute;margin:unset;opacity:unset;transition:unset;bord
er-radius:var(--smtc-corner-ctrl-lg-rest);background:var(--bing-smtc-background-container);box-shadow:var(-
-smtc-shadows-floating-action-button-rest);fill:var(--smtc-foreground-content-neutral-secondary)}.acfdefaultc
hev .cr:hover{background:var(--smtc-ctrl-fab-background-hover)}.acfdefaultchev
.cr:active{background:var(--smtc-ctrl-fab-background-pressed)}.b_ofchev .acfdefaultchev.btn.prev
.cr{left:-18px}.b_ofchev .acfdefaultchev.btn.next
.cr{right:-18px}@media(forced-colors:active){.acfdefaultchev .cr{background:ButtonFace}.acfdefaultchev
.cr>svg{fill:ButtonText}.acfdefaultchev .cr:hover,.acfdefaultchev
.cr:has(:focus-visible){background:Highlight}}.b_overlay .btn.bld.prev{left:-20px}.b_overlay
.btn.bld.next{right:-20px}[background="alpha-white"]{background-color:rgba(255,255,255,.8)}[background=
"rest-blue"]{background-color:#eff4fa}.b_dark
[background="alpha-white"]{background-color:rgba(38,38,38,.8)}.b_dark
[background="rest-blue"]{background-color:#292c33}
merce-ui-product-card-medium{display:flex;flex-direction:column;width:100%;max-width:360px;border-radi
us:var(--mai-smtc-corner-card-default)}

```

```
merce-ui-product-card-medium__target-link { display: flex; flex-direction: column; color: inherit; text-decoration: none }
merce-ui-product-card-medium__target-link: hover,
merce-ui-product-card-medium__target-link: focus { text-decoration: none }
merce-ui-product-card-medium--hoverable { position: relative; padding: 8px }
merce-ui-product-card-medium--hoverable::before { content: ""; position: absolute; top: 0; left: 0; right: 0; bottom: 0; background-color: transparent; transform: scale(.93) translateZ(0); transform-origin: center; transition: transform .16s cubic-bezier(.4,0,.2,1), background-color 0s cubic-bezier(.4,0,.2,1) .16s; z-index: 0; border-radius: var(--mai-smtc-corner-card-default); will-change: transform, background-color; backface-visibility: hidden }
merce-ui-product-card-medium--hoverable: hover::before { transform: scale(1) translateZ(0); background-color: var(--bing-smtc-background-card-on-primary-alt-hover); box-shadow: 0 4px 12px 1px rgba(0,0,0,.14); transition: transform .16s cubic-bezier(.4,0,.2,1), background-color 0s cubic-bezier(.4,0,.2,1) }
merce-ui-product-card-medium--hoverable: active::before { background-color: var(--bing-smtc-background-card-on-primary-alt-pressed) }
merce-ui-product-card-medium--hoverable > div { position: relative; z-index: 1 }
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__title { transform: translateZ(0); backface-visibility: hidden; transition-property: max-height; transition-duration: .16s; transition-timing-function: cubic-bezier(.4,0,.2,1); will-change: max-height; overflow: hidden; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: grayscale }
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__hashtags { transform: translateZ(0); backface-visibility: hidden; transition-property: max-height, opacity; transition-duration: .16s; transition-timing-function: cubic-bezier(.4,0,.2,1); will-change: max-height, opacity; overflow: hidden }
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium--hoverable
.cico { transform: translateZ(0); backface-visibility: hidden; transition-property: border-radius; transition-duration: .16s; transition-timing-function: cubic-bezier(.4,0,.2,1); will-change: border-radius; overflow: hidden; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: grayscale }
merce-ui-product-card-medium--hoverable
.cmuipcm-meta-data { transform: translateZ(0); transition-property: max-height, opacity; transition-duration: .16s; transition-timing-function: cubic-bezier(.4,0,.2,1); opacity: 0; will-change: max-height, opacity; overflow: hidden }
merce-ui-product-card-medium--hoverable: hover
.cmuipcm-image-cntr--zoom
.cico { transform: scale(1.1) }
merce-ui-product-card-medium--hoverable: hover
.cmuipcm-image-cntr,
merce-ui-product-card-medium--hoverable: hover
merce-ui-image-wrapper,
merce-ui-product-card-medium--hoverable: hover
merce-ui-image-wrapper__image-container
.cico { border-radius: var(--smtc-corner-ctrl-hover) }
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__hashtags { max-height: 24px; opacity: 1; margin-top: 0 }
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__title { max-height: 66px; transform: translateZ(0) }
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one,
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable,
```

# Photovoltaic panel charging control

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merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one,
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data{max-height:20px;opacity:1;margin-top:0}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-content-cntr__title{max-height:44px}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-content-cntr__title[data-rows="1"]{-webkit-line-clamp:1;max-height:22px}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-content-cntr__title[data-rows="2"]{-webkit-line-clamp:2}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-content-cntr__title[data-rows="3"]{-webkit-line-clamp:3;max-height:66px}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable{max-height:0;opacity:0;margin-top:-2px}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--one{max-height:20px;opacity:1;margin-top:0}
merce-ui-product-card-medium--hoverable:not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one{max-height:0;opacity:0;margin-top:-2px}.cmuipcm-image-cntr{display:flex;position:relative;overflow:hidden;border-radius:var(--mai-smtc-corner-card-default)}.cmuipcm-image-cntr
merce-ui-image-wrapper{height:100%;width:100%;border-radius:var(--mai-smtc-corner-card-default)}.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico{background:#fafafa;border-radius:var(--mai-smtc-corner-card-default);transition:transform .16s ease}.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico
img{mix-blend-mode:multiply}@media(forced-colors:active){.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico
img{mix-blend-mode:normal}}.cmuipcm-badge{display:inline-block;background-color:#eff4fa;border-radius:6px;padding:var(--smtc-gap-between-content-xxx-small)var(--smtc-gap-between-content-x-small);font-family:"Segoe Sans",-apple-system,BlinkMacSystemFont,"Segoe UI",Roboto,sans-serif;font-size:14px;line-height:20px;font-weight:400;color:#1e2024;align-self:flex-start;white-space:nowrap;text-overflow:ellipsis;overflow:hidden;max-width:calc(100% - 12px)}.cmuipcm-rating-badge{position:absolute;top:8px;left:8px;background:var(--smtc-background-card-on-primary-default-hover);border-radius:var(--smtc-ctrl-badge-corner);padding:var(--smtc-gap-between-content-xxx-small)var(--smtc-gap-between-content-x-small);display:flex;align-items:center;z-index:1}.cmuipcm-rating-badge
.ratingv2.snrnt.small-rtss{gap:var(--smtc-gap-between-content-xxx-small);font-size:13px;line-height:20px}.cmuipcm-rating-badge
.ratingv2.snrnt.small-rtss
.rating-num{font-size:13px;font-weight:400;line-height:20px;color:var(--smtc-foreground-content-neutral-primary);margin-left:2px}.cmuipcm-content-cntr{display:flex;flex-direction:column;flex:1;padding-top:var(--smtc-padding-ctrl-text-top)}.cmuipcm-content-cntr__base-info{display:flex;flex-direction:column;gap:var(--smtc-gap-between-content-xxx-small);padding:0

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# Photovoltaic panel charging control

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var(--smtc-gap-between-content-xx-small);min-height:74px }.cmuipcm-content-cntr__title {margin-bottom:var(--smtc-gap-between-content-xxx-small);font:var(--bing-smtc-text-global-body3);color:var(--smtc-foreground-content-neutral-primary);overflow:hidden;display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2;max-height:44px }.cmuipcm-content-cntr__title[data-rows="1"]{-webkit-line-clamp:1;max-height:22px }.cmuipcm-content-cntr__title[data-rows="2"]{-webkit-line-clamp:2 }.cmuipcm-content-cntr__title[data-rows="3"]{-webkit-line-clamp:3;max-height:66px }.cmuipcm-content-cntr__hashtags {display:flex;flex-wrap:wrap;gap:var(--smtc-gap-between-content-xx-small);margin-bottom:var(--smtc-gap-between-content-xx-small);overflow:hidden;max-height:0;opacity:0;margin-top:-4px }.cmuipcm-content-cntr__hashtags-item {background-color:var(--smtc-status-informative-tint-background);color:var(--smtc-foreground-content-neutral-secondary);border-radius:var(--smtc-ctrl-badge-corner);font:var(--bing-smtc-text-global-caption1);padding:var(--smtc-gap-between-content-xxx-small)}
var(--smtc-gap-between-content-x-small);white-space:nowrap;text-overflow:ellipsis;overflow:hidden;max-width:100% }.cmuipcm-content-cntr
.cmuipc-seller {display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)} .cmuipcm-content-cntr .cmuipc-seller
.fb-prvdr {width:16px;height:16px;border-radius:3px }.cmuipcm-content-cntr
.cmuipc-seller__name {font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);white-space:nowrap;text-overflow:ellipsis;overflow:hidden }.cmuipcm-content-cntr__row-wrapper {display:flex;flex-direction:column;align-items:flex-start;gap:var(--smtc-gap-between-content-xxx-small);flex-wrap:wrap }.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable {max-height:0;opacity:0;margin-top:-2px }.cmuipcm-content-cntr__row-wrapper .cmuipcm-meta-data.cmuipcm-meta-data--one,.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data:not(.cmuipcm-meta-data--hoverable) {max-height:20px;opacity:1;margin-top:0 }.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one {max-height:0;opacity:0;margin-top:-2px }.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data {display:flex;flex-direction:row;align-items:center }.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data__icon {margin-right:4px }.cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data__description {font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}.cmuipcm-content-cntr__row-wrapper
.cmuipcm-price-row__range,.cmuipcm-content-cntr__row-wrapper .cmuipcm-price-row__range
.price-container[size="small"] {font:var(--bing-smtc-text-global-caption1-strong)}
merce-ui-product-card-medium-tp
.cmuipcm-content-cntr__title {margin-bottom:unset }.cmuipcm-price-row {display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-price-row.cmuipcm-price-row--installment {align-items:flex-start;flex-direction:column;gap:var(--smtc-gap-between-content-xxx-small)}.cmuipcm-price-row.cmuipcm-price-row--installment .cmuipcm-price-row__og-price
.price-container[size="small"] {font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-tertiary)}.cmuipcm-price-row
.price-container[size="small"] {font:var(--bing-smtc-text-global-caption1-strong)}.cmuipcm-price-row__range {display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-price-row__cur-price

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# Photovoltaic panel charging control

```
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-foreground-content-neutral-primary)}.cmuipcm-price-row:not(.cmuipcm-price-row--installment)
.cmuipcm-price-row__lw-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-status-success-tint-foreground)}.cmuipcm-price-row__og-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption2);line-height:20px;text-decoration:line-through;color:var(--bing-smtc-foreground-content-neutral-tertiary)}.cmuipcm-free-shipping{font-size:12px;line-height:16px;color:#0f7b0f}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium
.cmuipc-seller.cmuipc-seller--multi{opacity:1}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium
.cmuipcm-color-options{transform:translateZ(0);transition-property:max-height,opacity;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);opacity:0;will-change:max-height,opacity;overflow:hidden}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium.line-clamp-expanded
.cmuipcm-color-options{max-height:20px;opacity:1;margin-top:0;margin-bottom:-2px}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium:not(.line-clamp-expanded)
.cmuipc-seller.cmuipc-seller--multi{max-height:unset;opacity:1;margin-top:0;margin-bottom:-2px}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium:not(.line-clamp-expanded)
.cmuipcm-color-options{opacity:0;max-height:0;margin-top:-4px}
merce-ui-product-card-medium-tp
merce-ui-product-card-medium
.cmuipcm-content-cntr
.cmuipcm-color-options{max-height:20px;opacity:1;margin-top:0;margin-bottom:-2px}
merce-ui-product-card-medium
.cmuipcm-content-cntr
.cmuipc-seller.cmuipc-seller--multi{max-height:unset;opacity:1;margin-top:0;margin-bottom:-2px}
merce-ui-product-card-medium
.cmuipcm-content-cntr
.cmuipc-seller__more{flex-shrink:0;font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);white-space:nowrap;text-overflow:ellipsis;overflow:hidden}
merce-ui-product-card-medium
.cmuipcm-content-cntr__row-wrapper
.cmuipcm-price-row__range
span{line-height:17px;margin-bottom:3px}
merce-ui-image-wrapper{display:inline-block;position:relative;overflow:hidden}
merce-ui-image-wrapper__slideshow-container:hover
.b_overlay
.btn.rounded.next,
merce-ui-image-wrapper__slideshow-container:hover
.b_overlay
.btn.rounded.prev{display:block}
merce-ui-image-wrapper__slideshow-container
.b_overlay
.btn.rounded.next{right:0;display:none}
merce-ui-image-wrapper__slideshow-container
.b_overlay
.btn.rounded.prev{left:0;display:none}
merce-ui-image-wrapper__slideshow-container
.b_pager_overlay
.b_pager{line-height:8px;margin-top:8px}
merce-ui-image-wrapper__slideshow-container
.b_pager_overlay
.b_pager
teraction>ul
li{width:4px;height:4px;color:#e0e0e0;background-color:#e0e0e0;border:unset;margin:0 2px 2px}
merce-ui-image-wrapper__slideshow-container
.b_pager_overlay
.b_pager
teraction>ul
li.active{width:10px;border-radius:99px;background-color:#707070;color:#707070}
merce-ui-image-wrapper__slideshow-container
.b_pager_overlay
.b_pager
teraction>ul
li:hover:not(.active){width:4px;height:4px;background-color:#707070;color:#707070;margin:0 2px 2px}
.price-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;color:#242424;font-size:20px;line-height:22.4px;font-weight:600}
.price-container[size="xx-small"]{font-size:12px;line-height:18px;fo
```

# Photovoltaic panel charging control

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font-weight:200}.price-container[size="x-small"]{font-size:14px;line-height:14px;font-weight:200}.price-container[size="small"]{font-size:16px;line-height:18px;font-weight:600}.price-container[size="medium"]{font-size:20px;line-height:22.4px;font-weight:600}.price-container[size="large"]{font-size:24px;line-height:27.2px;font-weight:600}.price-container[size="x-large"]{font-size:28px;line-height:27.3px;font-weight:600}.price-container[color="neutral"],.price-container[discount-label-color="neutral"]
.price-container__discount-label{color:#242424}.price-container[color="accent-primary"],.price-container[discount-label-color="accent-primary"]
.price-container__discount-label{color:#128052}.price-container[color="accent-secondary"],.price-container[discount-label-color="accent-secondary"]
.price-container__discount-label{color:#d63600}.price-container[color="subtle"],.price-container[discount-label-color="subtle"]
.price-container__discount-label{color:#707070}.price-container[color="inverted"],.price-container[discount-label-color="inverted"]
.price-container__discount-label{color:#fff}.price-container[color="accent-brand"],.price-container[discount-label-color="accent-brand"]
.price-container__discount-label{color:#2169eb}.price-container[strikethrough]
.price-container__currency,.price-container[strikethrough]
.price-container__integer,.price-container[strikethrough]
.price-container__cents,.price-container[strikethrough]
.price-container__decimal{text-decoration:line-through}.price-container[show-raised-cents]
.price-container__currency,.price-container[show-raised-cents]
.price-container__cents{vertical-align:top}.price-container[show-raised-cents]
.price-container__currency{margin-right:.1em;font-size:60%;line-height:1;transform:translate(0,10%)}.price-container[show-raised-cents]
.price-container__cents{margin-left:.05em;font-size:60%;line-height:1;transform:translate(0,8%)}.price-container
.price-container__per-item-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;-webkit-box-align:end;-ms-flex-align:end;align-items:flex-end;color:#707070;padding-left:2px;column-gap:2px;font-weight:200}.price-container__discount-label{margin-left:.2em}.price-container[discount-label-position="top"]:not([size="small"]):not([size="x-small"]):not([size="xx-small"])
.price-container__discount-label{vertical-align:top;font-size:60%;line-height:1;transform:translate(0,.1em)}.price-container[discount-label-position="bottom"]
.price-container__discount-label{margin-left:.2em;font-size:100%}
merce-ui-price{display:block}.ratingv2.snrnt{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;flex-direction:row;gap:8px;align-items:center;color:#424242;line-height:22px;font-size:16px;position:relative;z-index:1}.ratingv2.snrnt.ratingHeader{gap:12px}.ratingv2.snrnt.ratingHeader
.rs-list{padding-bottom:0}.ratingv2.snrnt.ratingHeader
.rating-num{font-weight:400;font-size:56px;line-height:56px}.ratingv2.snrnt.ratingHeader
l{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;flex-direction:column;gap:2px}.ratingv2.snrnt.ratingHeader
.review-cnt{font-size:14px;font-weight:400;line-height:20px;color:#707070}.ratingv2.snrnt
.rs-list{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;gap:4px;
```

# Photovoltaic panel charging control

height:22px;align-items:center;padding-bottom:2px}.ratingv2.snrnt .rs-list .rating-st,.ratingv2.snrnt .rs-list .rating-ste,.ratingv2.snrnt .rs-list .rating-sth{width:16px;height:16px;background-size:16px 16px}.ratingv2.snrnt .rating-num{font-weight:600}.ratingv2.snrnt .review-cnt,.ratingv2.snrnt .divider{font-weight:400}.ratingv2.snrnt.medium-rts{gap:12px;line-height:22px;font-size:16px}.ratingv2.snrnt.t.medium-rts .rs-list{height:22px}.ratingv2.snrnt.medium-rts .rs-list .rating-st,.ratingv2.snrnt.medium-rts .rs-list .rating-ste,.ratingv2.snrnt.medium-rts .rs-list .rating-sth{width:16px;height:16px;background-size:16px 16px}.ratingv2.snrnt.small-rts{gap:4px;line-height:16px;font-size:12px}.ratingv2.snrnt.small-rts .rs-list{height:16px;padding-bottom:2px}.ratingv2.snrnt.small-rts .rs-list .rating-st,.ratingv2.snrnt.small-rts .rs-list .rating-ste,.ratingv2.snrnt.small-rts .rs-list .rating-sth{width:12px;height:12px;background-size:12px 12px}.ratingv2.snrnt .rs-list .rating-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%2240%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.6028%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.49785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.673C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%202.08544Z%22%20fill%3D%22%23EAA300%22%2F%3E%0A%3C%2Fsvg%3E%0A)}}.ratingv2.snrnt .rs-list .rating-st.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20height%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.23027%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%202.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.430528%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.194089%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%206.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.1324%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23616161%22%2F%3E%0D%0A%3C%2Fsvg%3E%0D%0A)}}.ratingv2.snrnt .rs-list .rating-st.kumo-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2212%22%20height%3D%2213%22%20viewBox%3D%220%200%2012%2013%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M5.28347%202.51846C5.57692%201.92386%206.42479%201.92386%206.71825%202.51846L7.82997%204.77107L10.3159%205.13

# Photovoltaic panel charging control

229C10.9721%205.22764%2011.2341%206.03402%2010.7592%206.49684L8.96043%208.25026L9.38507  
%2010.7261C9.49716%2011.3796%208.81122%2011.878%208.22431%2011.5695L6.00086%2010.4005L3.  
7774%2011.5695C3.19049%2011.878%202.50455%2011.3796%202.61664%2010.7261L3.04128%208.2502  
6L1.24246%206.49684C0.767651%206.03402%201.02966%205.22764%201.68584%205.13229L4.17174%  
204.77107L5.28347%202.51846Z%22%20fill%3D%22%23242424%22%2F%3E%0D%0A%3C%2Fsvg%3E  
)}.ratingv2.snrnt .rs-list  
.rating-ste{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%2  
240%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%  
3A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.26  
4492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091  
%2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.  
6028%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8  
.49785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017  
.673C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803  
%202.08544Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0A%3C%2Fsvg%3E%0A)}.ratingv2.snrnt  
.rs-list  
.rating-ste.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20heig  
ht%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D  
%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.230  
27%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%2  
02.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010  
.243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0  
417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.43052  
8%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215  
%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611  
%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.19408  
9%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%  
205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%20  
6.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.132  
4%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321  
%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2  
015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%  
2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0D%0A  
%3C%2Fsvg%3E%0D%0A)}.ratingv2.snrnt .rs-list  
.rating-ste.kumo-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2212%22%20height  
%3D%2213%22%20viewBox%3D%220%200%2012%2013%22%20fill%3D%22none%22%20xmlns%3D%  
22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M5.28347%202.51846C5.  
57692%201.92386%206.42479%201.92386%206.71825%202.51846L7.82997%204.77107L10.3159%205.13  
229C10.9721%205.22764%2011.2341%206.03402%2010.7592%206.49684L8.96043%208.25026L9.38507  
%2010.7261C9.49716%2011.3796%208.81122%2011.878%208.22431%2011.5695L6.00086%2010.4005L3.  
7774%2011.5695C3.19049%2011.878%202.50455%2011.3796%202.61664%2010.7261L3.04128%208.2502  
6L1.24246%206.49684C0.767651%206.03402%201.02966%205.22764%201.68584%205.13229L4.17174%



