

What is the DC charging current of the solar panel





Overview

Do solar panels generate DC electricity?

Solar panels generate DC electricity because photons (sunlight) excite electrons in photovoltaic cells, creating a directional current. However, Australian homes and the grid operate on AC electricity – which is where inverters come into play. What Is AC Power?

AC, or Alternating Current, reverses direction periodically.

Can a solar panel convert DC to AC?

Solar panels naturally produce DC electricity. An AC-to-DC inverter allows you to use this clean energy source seamlessly to power your home and feed the excess energy back into the AC grid. However, some newer solar panels can convert the DC to AC directly in the panel without an external inverter. What Are AC Solar Modules?

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Are DC solar panels better than AC solar panels?

Accessibility: There's a wider array of DC solar panels on the market, which also means DC solar panels tend to be cheaper compared to AC solar panels.
Battery storage efficiency: DC-coupled battery storage systems are more efficient compared to AC because the electricity is converted from DC to AC only once.

What is the difference between AC and DC in solar power systems?

Recognizing the differences between AC and DC in solar power systems can help you make informed decisions about installation and equipment: **Direction of Flow:** DC flows in one direction; AC flows back and forth. **Generator Source:** Solar panels create DC; most appliances use AC.



What is the DC charging current of the solar panel

What's the difference between AC and DC in solar?

The Difference Between Alternating Current (AC) and Direct Current (DC) PowerElectricity History: The Fight Between AC and DCDo Household Items Use DC Or AC?Is Solar Power AC Or DC?What About AC Solar Panels?What About Home Storage?Solar panels produce direct current: the sun shining on the panels stimulates the flow of electrons, creating current. Because these electrons flow in the same direction, the current is direct. See more on aurorasolar

#b_results li.b_ans.b_mop.b_mopb,#b_results li.b_ans.b_nonfirststopb{border-radius:6px;box-shadow:0 0 0 1px rgba(0,0,0,.05);margin-top:12px;margin-bottom:10px;padding:15px 19px 10px}#b_results li.b_ans.b_mop.b_mopb .b_sideBleed{margin-left:-19px;margin-right:-19px}#b_results .b_vidAns{border-radius:6px;box-shadow:0 0 0 1px rgba(0,0,0,.05);padding:16px 20px;gap:10px;background:#fff}@charset "UTF-8";#b_results .b_ans.b_vidAns{box-shadow:none!important;padding:var(--smtc-gap-between-content-medium) 0!important;background:var(--bing-smtc-background-ctrl-fade-on-image-stop-0)}#b_results .b_ans.b_vidAns #serpvidans.vsacf .mc_vtvc,#b_results .b_ans.b_vidAns #serpvidans.vsacf .mc_vtvc_th,#b_results .b_ans.b_vidAns #serpvidans.vsacf .cico,#b_results .b_ans.b_vidAns #serpvidans.vsacf .mc_vtvc_htb,#b_results .b_ans.b_vidAns #serpvidans.vsacf .vrhc,#b_results .b_ans.b_vidAns #serpvidans.vsacf .vrhcp,#b_results .b_ans.b_vidAns #serpvidans.vsacf .vrhtc,#b_results .b_ans.b_vidAns #serpvidans.vsacf .vrhtpc{border-radius:var(--mai-smtc-corner-list-card-nested-default)}#b_results .b_ans.b_vidAns #serpvidans.vsacf .mmlist .mc_vtvc,#b_results .b_ans.b_vidAns #serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta{margin:0}#b_results .b_ans.b_vidAns #serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_channel,#b_results .b_ans.b_vidAns #serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_row_channel{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf,#serpvidans.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);height:auto;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .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{color:var(--smtc-foreground-content-neutral-primary);height:var(--mai-smtc-padding-card-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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.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-
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.mc_vtvc_th_dock.rmoverlay{height:36px}.vsacf .va_tt .vsb_tr_chd .mc_vtvc_th_dock{height:92p
x;background:linear-gradient(180deg,var(--bing-smtc-background-ctrl-fade-on-image-stop-0)
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20px;font:var(--acf-font-title-2-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-
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.vtmu, .mmlist .mc_vtvc .vtpl { bottom: 120px; } .mmlist .mc_vtvc_th_dock { height: 112px; }
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1px rgba(0,0,0,.05);line-height:0;margin:0;position:relative;border-radius:6px;overflow:hidden}.
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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_IRight
.b_ILeft{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%;paddin
g: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_IRight
.b_ILeft{margin:0 0 0 1px;height:14px;line-height:14px;padding:2px 8px;background:rgba(0,0,0,.
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DebuggingPurpose{top:0}.mc_vtvc_center_play{width:32px;height:32px;background-size:contai
n;position:absolute;margin:auto;bottom:0;top:0;left:0;right:0;box-shadow:none;border-radius:0}.
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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
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.mc_vtvc .vtpl{top:8px;left:8px}.mc_vtvc_center_play{background-image:url(data:image/svg+x
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msi{height:16px;width:16px;position:relative;top:5px;padding-right:var(--smtc-gap-between-con
tent-xx-small)}.mmsi-microsoftnews,.mmsi-msn{top:3px}.vrhdata{display:none}.mmgrid>div{
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a(0,0,0,.05);position:relative;vertical-align:top;overflow:hidden;white-space:normal;border-
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.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
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.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
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height:16px;margin-bottom:16px}#serpvidansrr .mc_vtvc
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height:15px;font-size:13px;height:15px}#serpvidansrr .mc_vtvc_meta_pubdate{padding-
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width:1274.9px){#serpvidansrr .mmgrid>div{width:124px;height:164px}#serpvidansrr
.mmgrid>div .cico,#serpvidansrr .mmgrid>div .cico
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.mc_vtvc_meta{padding:8px}#serpvidansrr .mc_vtvc .mc_vtvc_title{height:32px;line-
height:16px;margin-bottom:12px}#serpvidansrr .mc_vtvc
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.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:nowr
ap;overflow:hidden;text-overflow:ellipsis;-webkit-line-clamp:1;line-height:15px;height:15px;font-
size:13px;color:#000;margin-bottom:20px;font-family:Arial,Helvetica,Sans-Serif;font-
style:normal;display:block}#serpvidansrr.vsarr1stbig #vidans2 .b_videocard .video_metadata
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.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 .vrhrc.pffv .vrhol{display:none}.vrhc line.nhvpv .vrhrc.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);gap: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(--mai-smtc-foreground-ctrl-on-image-rest);font:var(--bing-smtc-text-global-subtitle2-strong)}.pffvi{mask:url(/rp/ui07wU6K7FR_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 .vrhrc.pffv .vrhol{display:none}.hvpv.h5s .vrhrc.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);gap:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.pffvt{text-decoration:underline}.vrhrcp .vrhol{position:absolute;width:100%;height:35px;max-height:35px;bottom:0;left:0;padding:0;background:none;display:block;z-index:9}.vrhrcp .vrhol.hide,.vrhrcp .vrhol .hide{display:none}.vrhot{white-space:nowrap;text-overflow:ellipsis;overflow:hidden;display:inline-block;position:absolute;max-width:240px;height:18px;line-height:14px;margin-left:8px;top:10px;left:0;right:0;border-radius:2px;padding-right:8px}.vrhot div{display:inline-block}.vrhot 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:pointer}.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}.vrhrcp .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:inline-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:relative;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}.vol MuteHandle{width:22px;height:18px}.vo{background:url(/rp/ffZxBXEIP9WYOO0jhTaElyLhEVU.sv
```



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g) no-repeat}.vm{background:url(/rp/fsX-ZVd03wB2TL0vmQjxSp4U9vs.svg) no-
repeat}.vl{background:url(/rp/YXYMPC1Rry_XJGc7Yg8IR4B2eEs.svg) no-
repeat}.vf{background:url(/rp/NosrlR4amKTS1zYxWy3laZN3HRk.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/_o2maogFDeUOsovPJL-ofEuxJ4.gif) center center no-repeat}.vrhc
line .vrhtc .vrhi,.vrhc.popout .vrhtc .vrhi,.vrhc.mousefollow .vrhtc .vrhi{position:absolute!importa
nt;border:hidden;z-index:2;padding:0;left:0;top:0}.player_ol{position:absolute;width:100%;heigh
t:100%;bottom:0;border:hidden;z-index:7}.vrhc.popout,.vrhc line,.vrhc.mousefollow{border-radi
us:6px;overflow:hidden;display:table-row-
group;background:none}.vrhc.popout,.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:fixe
d}.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,.v
rhc: visited{color:#000;text-decoration:none}.vrhc.vrh_clc{cursor:pointer}a.hover-anchor{displa
y:block;height:100%;width:100%;text-
decoration:none}.vrhstat{height:0;overflow:hidden}Videos of What Is The DC Charging Current
Of The Solar Pan...Watch video on cleanenergyreviews MPPT Solar Charge Controllers Explained
-- Clean Energy Reviewscleanenergyreviews Feb 11, 2020Watch video on energy.govSolar
Photovoltaic Technology Basicsenergy.govOct 30, 2020Watch video on dotwatts Solar DC To AC
Conversion Calculator - Dot Watts@dotwatts Aug 11, 2023Watch full video.rcimgcol .cico {
background: #f5f5f5; } .b_drk.rcimgcol .cico, .b_dark.rcimgcol .cico { background: unset;
}.b_imgSet .b_hList li.square_m,.b_imgSet .b_hList li.tall_m{width:75px}.b_imgSet .b_hList
li.tall_mlb{width:113px}.b_imgSet .b_hList li.tall_mln{width:96px}.b_imgSet .b_hList
li.wide_m{width:128px}.b_imgSet.b_Card .b_hList li{padding-left:1px;padding-
right:9px}.b_imgSet.b_Card .b_hList li.tall_wfn{width:80px;padding-right:6px}.b_imgSet.b_Card
.b_hList li:last-child{padding-right:1px}.b_imgSet.b_Card .b_imgSetData{padding:0 8px
8px;height:40px}.b_imgSet.b_Card .b_imgSetItem{box-shadow:0 0 1px rgba(0,0,0,.05),0 2px
3px 0 rgba(0,0,0,.1);border-radius:6px;overflow:hidden}.b_imgSet .b_imgSetData p
a{color:#444;outline-offset:0}.b_subModule .b_clearfix.b_mhdr .b_floatR
.b_moreLink,.b_subModule .b_clearfix.b_mhdr .b_floatR .b_moreLink:visited,.b_subModule>.b_mo
reLink,.b_subModule>.b_moreLink:visited{color:#767676}.b_imgSet .cico.b_placeholder{display
:flex;justify-content:center;background-color:#f5f5f5;background-clip:content-box}.b_imgSet
.cico.b_placeholder a{display:flex}.b_imgSet .cico.b_placeholder a
img{width:48px;height:48px;margin:auto}@media(max-width:1362.9px){#b_context
.b_entityTP .b_imgSet li:nth-child(5){display:none}.b_imgSet .b_hList li.wide_m:nth-
child(3){display:none}}@media(max-width:1274.9px){#b_context .b_entityTP .b_imgSet li:nth-
child(4){display:none}.b_imgSet .b_hList li.wide_m:nth-child(2){display:none}}.rcimgcol
.b_imgSet{content-visibility:auto;contain-intrinsic-size:1px 124px}.rcimgcol{height:108px;paddi
ng-top:var(--smtc-gap-between-content-x-small);padding-bottom:var(--smtc-gap-between-
content-x-small)}.b_algo:has(.b_agh) .rcimgcol{padding-top:var(--smtc-gap-between-content-xx-
small)}.rcimgcol .b_imgSet{overflow:hidden}.rcimgcol .b_imgSet ul{overflow-x:auto;overflow-
y:hidden;white-space:nowrap;padding-left:var(--mai-smtc-padding-card-default)}.rcimgcol
.b_imgSet ul::-webkit-scrollbar{-webkit-appearance:none}.rcimgcol .b_imgSet
.b_hList>li{padding-right:var(--smtc-padding-ctrl-text-side)}.rcimgcol .b_imgSet .cico{border-

```



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radius:unset}.rcimgcol .b_imgSet .b_hList>li:first-child .cico,.rcimgcol .b_imgSet .b_hList>li:first-child .cico a{border-radius:unset;border-top-left-radius:var(--smtc-corner-card-rest);border-bottom-left-radius:var(--smtc-corner-card-rest);overflow:hidden}.rcimgcol .b_imgSet .b_hList>li:last-child .cico,.rcimgcol .b_imgSet .b_hList>li:last-child .cico a{border-radius:unset;border-top-right-radius:var(--smtc-corner-card-rest);border-bottom-right-radius:var(--smtc-corner-card-rest);overflow:hidden}.rcimgcol .rcimgcol .b_sideBleed{margin-left:unset;margin-right:unset}.rcimgcol .b_imgclgovr{cursor:pointer}.rcimgcol .b_imgclgovr .cico img: hover{transform:scale(1.05);transition:transform .5s ease}#b_content #b_results>.b_algo .b_caption:has(.rcimgcol){padding-right:var(--mai-smtc-padding-card-default);margin-right:calc(-1*var(--mai-smtc-padding-card-default));margin-left:calc(-1*var(--mai-smtc-padding-card-default));padding-left:var(--mai-smtc-padding-card-default)}.rcimgcol .b_imgSet .b_hList .cico a{display:flex;outline-offset:-2px}a.b_aatclink{text-decoration:none}.b_algoArticleTextCarousel{margin-left:calc(-1*var(--mai-smtc-padding-card-default));margin-right:calc(-1*var(--mai-smtc-padding-card-default));padding-bottom:var(--smtc-gap-between-content-x-small)}.b_algoArticleTextCarousel .b_slidebar .slide{border-radius:var(--smtc-corner-card-rest)}.b_algoArticleTextCarousel .b_insideSlide{padding:var(--mai-smtc-padding-card-default);height:200px;width:200px;border-radius:var(--smtc-corner-card-rest);border:1px solid var(--smtc-stroke-ctrl-on-neutral-rest);box-sizing:border-box;background:var(--smtc-background-card-on-primary-default-rest)}.b_algoArticleTextCarousel .b_insideSlide: hover{background:var(--smtc-background-card-on-primary-default-hover)}.b_algoArticleTextCarousel .b_insideSlide: active{background:var(--smtc-background-card-on-primary-default-pressed)}.b_algoArticleTextCarousel .b_insideSlide .b_title{font:var(--acf-font-title-1-strong);color:var(--smtc-foreground-content-neutral-secondary);display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2;overflow:hidden;text-overflow:ellipsis}.b_algoArticleTextCarousel .b_insideSlide .b_text{margin-top:var(--smtc-gap-between-content-x-small);color:var(--smtc-foreground-content-neutral-secondary);font:var(--bing-smtc-text-global-body3);display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:5;overflow:hidden;text-overflow:ellipsis}.b_acf_crsli.slide.b_crslitm>*:last-child,.b_acf_crsli .b_slideexp,#b_topw .b_wpt_container .b_slidesContainer:has(.b_acf_crsli) .b_slidesContainer{margin-bottom:unset}#b_topw .b_wpt_container:has(.b_acf_crsli) .b_viewport{padding:unset}#b_topw .b_wpt_container .b_wpt_bl:has(.b_acf_crsli){overflow:visible}.b_acf_crsli .b_slidesContainer .slide.b_crslitm{overflow:unset}.b_acf_crsli .btn.next .bg,.b_acf_crsli .btn.prev .bg{background:unset}#b_topw .b_wpt_container .b_acf_crsli .btn.bld.next,#b_topw .b_wpt_container .b_acf_crsli .btn.bld.prev,.b_acf_crsli .btn.next,.b_acf_crsli .btn.prev{z-index:5}.b_acf_crsli.b_fadebg .btn.next .bg{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}.b_acf_crsli.b_fadebg .btn.prev .bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}.b_dark .b_acf_crsli .b_slidebar .slide{background-color:unset}[dir="rtl"] .b_acf_crsli.b_fadebg .btn.next .bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}[dir="rtl"] .b_acf_crsli.b_fadebg .btn.prev .bg{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}.b_acf_crsli.hovexp .leftmost .b_overlay .b_viewport,.b_acf_crsli.hovexp .leftrightmost .b_overlay .b_viewport,.b_acf_crsli.hovexp .b_overlay .b_viewport{padding-left:var(--smtc-gap-between-content-x-large)!important;margin-left:calc(var(--smtc-gap-between-content-x-large)*-1)!important}.b_acf_crsli.hovexp .middle .b_overlay .b_viewport,.b_acf_crsli.hovexp .rightmost .b_overlay .b_viewport{padding-left:unset!important;margin-left:unset!important}.b_colg_4xs .slide{margin-inline-end:var(--smtc-padding-ctrl-text-side)!important}.b_rowg_4xs .slide>*{margin-bottom:var(--smtc-padding-ctrl-text-side)!important}.b_colg_3xs .slide{margin-inline-end:var(--smtc-padding-ctrl-sm-text-top)!important}.b_rowg_3xs .slide>*{margin-bottom:var(--smtc-padding-ctrl-sm-text
```



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top)!important}.b_colg_2xs .slide{margin-inline-end:var(--smtc-gap-between-content-xx-small)!important}.b_rowg_2xs .slide>{*{margin-bottom:var(--smtc-gap-between-content-xx-small)!important}.b_colg_xs .slide{margin-inline-end:var(--smtc-gap-between-content-x-small)!important}.b_rowg_xs .slide>{*{margin-bottom:var(--smtc-gap-between-content-x-small)!important}.b_colg_s .slide{margin-inline-end:var(--smtc-gap-between-content-small)!important}.b_rowg_s .slide>{*{margin-bottom:var(--smtc-gap-between-content-small)!important}.b_colg_m .slide{margin-inline-end:var(--smtc-gap-between-content-medium)!important}.b_rowg_m .slide>{*{margin-bottom:var(--smtc-gap-between-content-medium)!important}.b_colg_l .slide{margin-inline-end:var(--mai-smtc-padding-card-default)!important}.b_rowg_l .slide>{*{margin-bottom:var(--mai-smtc-padding-card-default)!important}.b_colg_xl .slide{margin-inline-end:var(--smtc-gap-between-content-x-large)!important}.b_rowg_xl .slide>{*{margin-bottom:var(--smtc-gap-between-content-x-large)!important}.b_colg_2xl .slide{margin-inline-end:var(--smtc-gap-between-content-xx-large)!important}.b_rowg_2xl .slide>{*{margin-bottom:var(--smtc-gap-between-content-xx-large)!important}.b_colg_3xl .slide{margin-inline-end:var(--smtc-padding-content-xx-large)!important}.b_rowg_3xl .slide>{*{margin-bottom:var(--smtc-padding-content-xx-large)!important}.b_colg_4xl .slide{margin-inline-end:var(--smtc-padding-content-xxx-large)!important}.b_rowg_4xl .slide>{*{margin-bottom:var(--smtc-padding-content-xxx-large)!important}.b_acf_card{box-sizing:border-box;border-radius:var(--smtc-corner-card-rest);-webkit-user-select:none;user-select:none;position:relative;width:100%;height:100%}.b_acf_card.b_acf_bkgnd{background:var(--bing-smtc-background-card-on-primary-alt-rest)}.b_acf_card_link{border-radius:var(--smtc-corner-card-rest);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}.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: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_row9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px}.acf_row12{height:1320px}.b_slideexp{margin-bottom:20px;position:relative}.b_ans>.b_slideexp>.slide:last-child,.b_ans>.b_slideexp:last-child,.b_vPanel .b_slideexp:last-child{margin-bottom:0;padding-bottom:0}.b_slidebar .slide{display:inline-block;vertical-align:top}.b_slidebar .slide,.b_slideexp .b_viewport{overflow:hidden}.b_slideexp .b_viewport{margin:auto}.b_slidebar{white-space:nowrap}.b_slidebar .slide{white-space:normal;position:relative}.b_cards .cico,.b_slidebar .slide .cico{border-radius:0}.b_slidebar .b_slidebar .slide{width:100%}.b_slidebar.anim{transition:margin-left .35s cubic-bezier(.15,.85,.35,1)}.slide>.spinner{position:absolute;left:50%}.slide>.spinner>.ner{position:relative;left:-50%;width:40px;height:40px;background:url(/rp/OJWYLxkTdSOmE7-V53KpAdOj-xY.gif) no-repeat;margin:40px auto 30px;z-index:1000}.slide_mask.hideSlideMask{visibility:hidden}.b_slidebar.b_autoslidingfade .slide.slide_fading{opacity:1}.slide_mask,.b_slidebar.b_autoslidingfade .slide{transition:opacity .3s linear}.slide_mask.slide_fading,.b_slidebar.b_autoslidingfade .slide{opacity:0}.slide_mask{position:absolute;width:100%;height:100%;opacity:.7;top:0}.carousel_seemore{text-align:center}.carousel_seemore.dark a{color:#fff}.b_slidebar.enable_selecting .slide.selected::after,.b_slidebar.enable_selecting .slide:hover::after{box-shadow:inset 0 0 0 2px #fff}.b_slidebar .slide.selected::after,.b_slidebar .slide:focus::after{box-shadow:inset 0 0 0 2px #0099bc;outline:0}.b_slidebar.enable_selecting .slide.selected::after,.b_slidebar.enable_selecting .slide:hover::after,.b_slidebar .slide.selected::after,.b_slidebar .slide:focus::after{content:"";height:100%;width:100%;position:absolute;left:0;top:0}.b_slideexp .b_antiSideBleed{display:inline-block}.carousel_seemore>.b_moreLink.rndChev{vertical-align:middle;height:92px;text-decoration-color:#444;display:inline-block}.carousel_seemore
```



```
.seeAll_txt{display:block;color:#444;line-height:17px}.carousel_seemore
.seeAll_chev{display:block;height:48px;padding-bottom:12px;margin-top:15px}html[dir="rtl"]
.carousel_seemore .seeAll_chev{transform:scaleX(-1)}.b_slideexp .b_viewport.scrollbar{overflow-
x:auto;-ms-overflow-style:none;scrollbar-width:none}.b_slideexp .b_viewport.scrollbar::-webkit-
scrollbar{display:none}.b_slideexp .b_viewport{-webkit-overflow-
scrolling:touch}.b_overlay{position:relative}.b_overlay .btn{height:100%;position:absolute;width
:20px;cursor:pointer;z-index:1;-moz-user-select:none;-khtml-user-select: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%;ba
ckground-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.polecarhev.hidden .cr,.b_overlay .btn.bld.polecarhev.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/S9lIHAMBy7JxaR5m1KRvMwDswyw.png)}.b_overlay
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-smtc-background-container);box-shadow:var(--acf-elevation-3);fill:var(--smtc-foreground-
content-neutral-secondary)}.acfdefaultchev .cr:hover{background:var(--smtc-background-card-
on-primary-default-hover)}.acfdefaultchev .cr:active{background:var(--smtc-background-card-on-
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%;top:50%}.vcac>div{position:relative;width:100%}.slide.b_crslitm.b_sldfitcont{width:fit-
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.b_slidebar .slide { box-shadow: unset; -webkit-box-shadow: unset; } .b_acf_crsl.hovexp
#slideexp0_D6761Fc.b_slideexp .b_overlay .b_slidesContainer { overflow: visible !important; }
.b_acf_crsl.hovexp #slideexp0_D6761Fc.b_slideexp .b_overlay .b_viewport { padding-top: 12px
!important; margin-top: -12px !important; padding-bottom: 12px !important; margin-bottom:
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