

# Clasificación de las peores marcas de paneles fotovoltaicos

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Las placas solares son la base de cualquier instalación fotovoltaica. Te ayudamos a elegir los mejores fabricantes según calidad, eficiencia y garantía, con un ranking que te permitirá

Presentamos el ranking de las 10 principales empresas solares del 2025, con base en su historia y país de origen, tecnologías clave y características principales.

Las células de los paneles solares son de tamaño estándar, pero hay marcas que usan células partidas porque aportan menor resistencia al paso de la corriente y logran que la placa no pierda eficiencia

Una comparativa de placas solares ayuda a identificar cuál es el mejor panel solar para tu proyecto de fotovoltaica. Los criterios establecidos en este comparador son: eficiencia,

Se usó por primera vez para hacer la clasificación de los 20 Mejores Fabricantes de Paneles Solares en 2021 de SolarReviews. Las clasificaciones están diseñadas para ofrecer

Pruebas de Fiabilidad Del Instituto PvelGarantíaEficiencia - Máxima PotenciaResistencia A La Temperatura¿Cómo reconocer A Un Buen Fabricante de Paneles Fotovoltaicos?El Estado de Tier 1 de BloombergCada clasificación seria de paneles solares fotovoltaicos tiene en cuenta el grado de aceptación de una determinada marca por parte de los bancos e inversores. Bloomberg New Energy Finance ha creado un sistema de clases de Tier (del inglés "level"), que se utiliza para medir la confianza de los bancos e inversores en los productos de una marca dete...Ver más en solarplus.es#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 #serpvidans.vsacf .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

# Clasificación de las peores marcas de paneles fotovoltaicos

```
#serpvidans.vsacf .vrhcp,#b_results #serpvidans.vsacf .vrhtc,#b_results #serpvidans.vsacf
.vrhtpc{border-radius:var(--mai-smtc-corner-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.vsa
cf,#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-bet
ween}#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)}#serpv
idans.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-pad
ding-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 .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf
.mmlist .mc_vtvc .mc_vtvc_meta .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
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
.mc_vtvc_meta_w{height:auto}.vsacf .b_title{padding-left:0}.vsacf .b_title
.mmtitle{font:var(--bing-smtc-text-global-subtitle1-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.vs
acf .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-te
xt-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;position:absolute;bottom:0;background:linear-gradient(180deg,var(--
bing-smtc-background-ctrl-fade-on-image-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_slldr
.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:vertic
al}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer
.b_CompactExpansion{background-color:var(--bing-smtc-background-ctrl-neutral-rest);display:flex;ju
stify-content:center;align-items:center;gap:4px;width:fit-content;height:auto;padding:8px
12px}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer .b_CompactExpansion
.b_CompactExpansionBtnText{font:var(--bing-smtc-text-global-caption1-strong);color:var(--bing-smt
c-foreground-content-brand-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-content-brand-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
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
.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.n
oshadow{box-shadow:none}.mc_vtvc_con_rc{border-radius:6px;overflow:hidden;position:relative}.m
c_vtvc>a{color:#71777d;display:block;text-decoration:none;width:100%}.mc_vtvc>a:focus-visible::aft
er{outline:2px solid
var(--smtc-ctrl-focus-outer-stroke);width:100%;height:100%;content:"";outline-offset:-2px;position:abs
olute;top:0;left:0}.mc_vtvc_th{background-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:11
px;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:1
6px;margin-top:-40px;padding:12px
8px;z-index:1}.mc_vtvc_actc{right:16px;bottom:16px;position:absolute;display:inline-block;z-index:1}
.mc_vtvc_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;botto
m: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
16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-b
ox;vertical-align:middle;text-align:center}.mc-vtvc_th_live_b{background-color:#c80000;color:#fff;dis
play:inline-block;padding:2px 8px;font:11px/14px
Arial;border-radius:2px;text-transform:uppercase;height:15px;width:26px;position:absolute;left:8px;to
p: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
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
8px;background:rgba(0,0,0,.75);border-radius:2px;font-weight:bold}.mc_vthtb{width:100%;height:10
0%;background:rgba(0,0,0,.7);position:absolute;top:0;bottom:0;left:0;right:0;display:table}.mc_vtht{w
idth:100%;padding:0
16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-b
ox;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,.75);border-radius:2px;font-weight:bold}.emptyStyleForDebuggingPurpo
se{top:0}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_center_play{width:32px;height:32px;bac
kground-size:contain;position:absolute;margin:auto;bottom:0;top:0;left:0;right:0;box-shadow:none;bo
rder-radius:0}.mc_vtvc_center_play.rmvbg{width:32px;height:32px;background-image:none}.mc_vtv
c_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%20
width%3D%2232%22%20height%3D%2232%22%20viewBox%3D%220%200%2032%2032%22%2
0fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%2
0%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%3C
path%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%2017.307
3C23.2551%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
.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-t
op: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}.car
dless.mmlist .mc_bc{padding:2px 8px;line-height:14px;border-radius:2px;font-weight:normal}.mmlist
.mc_vtvc:hover
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
.mc_vtvc_title{text-decoration:underline}.mc_vtvc_meta{box-sizing:border-box;display:inline-block;lin
e-height:18px;position:relative;width:100%}.mc_vtvc_meta_block{bottom:0;position:absolute;width:1
00%}.mc_vtvc_meta_row{line-height:16px;font-size:11px;height:17px;overflow:hidden;text-overflow:
ellipsis;white-space: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_vtvc_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-transf
orm:uppercase;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;pa
dding: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_pubd
ate{color:#444;padding-bottom:3px}.mc_vtvc_meta_channel{color:#444}.mc_vtvc_meta_w,.mc_vplvc
c_meta_w{position:relative}.mc_vtvc_meta_bg_w,.mc_vplvc_meta_bg_w{height:100%;width:100%;
overflow:hidden;position: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}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleFor
DebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpos
e{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(
IBAMAAADHKvg1AAAAIVBMVEX////////////////////9/gMdvAAAACnRSTIMAETNEVWalm
bvuo4D1oAAAAB9JREFUCB1jmMoABKuaQcSqQhCxCxKgFGgLhNQIkpQAwA8zkLyQAI6F0AAAAAS
```

# Clasificación de las peores marcas de paneles fotovoltaicos

UVORK5CYII=)}.mc\_bc\_w{height:18px;padding:8px;text-align:right}.mc\_bc{background-color:rgba(0,0,0,.75);padding: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-shadow:0 0 0 1px rgba(0,0,0,.05);position:relative;vertical-align:top;overflow:hidden;white-space:normal;border-radius:6px}.vsarr .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){#serpvidansrr .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

# Clasificación de las peores marcas de paneles fotovoltaicos

```
.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 #ecec; 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-height:15px;height:15px;font-size:13px;color:#000;margin-bottom:20px;font-family:"Arial",Helveti
ca,Sans-Serif;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 .vrhc.pffv .vrhc {display:none}.vrhc line.nhvpv .vrhc.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-s
mall);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:va
r(--mai-smtc-foreground-ctrl-on-image-rest);font:var(--bing-smtc-text-global-subtitle2-strong)}.pffvi{m
ask:url(/rp/ui07wU6K7FR_inzG7DRbP1i8fGo.svg) center
no-repeat;mask-size:12px;background:var(--bing-smtc-background-card-on-image-default);width:20
px;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 .vrhc.pffv .vrhc{display:none}.hvpv.h5s .vrhc.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-s
mall);gap:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.pffvt{text-decoration:unde
rline}.vrhc
.vrhc{position:absolute;width:100%;height:35px;max-height:35px;bottom:0;left:0;padding:0;backgro
und:none;display:block;z-index:9}.vrhc .vrhc.hide,.vrhc .vrhc .vrhc
.hide{display:none}.vrhc{white-space:nowrap;text-overflow:ellipsis;overflow:hidden;display:inline-blo
ck;position:absolute;max-width:240px;height:18px;line-height:14px;margin-left:8px;top:10px;left:0;rig
ht:0;border-radius:2px;padding-right:8px}.vrhc div{display:inline-block}.vrhc
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
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;cur
sor: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}.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;di
splay: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:r
elative;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}.volMutelcon{width:16px;height:
14px;margin:2px
4px;float:left}.volMuteHandle{width:22px;height:18px}.vo{background:url(/rp/fFZxBXEIP9WYOO0jhT
aElyLhEVU.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:absolutelimportant;border:hidden;z-index:2;padding:0;left:0;top:0}.player_ol{position:a
bsolute;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}
```

# Clasificación de las peores marcas de paneles fotovoltaicos

```
.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:fixed}.vrhccp{position:relative;top:0;left:0;display:table-row}.vrhccp
.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-decorati
on:none}.vrhc.vrh_clc{cursor:pointer}a.hover-anchor{display:block;height:100%;width:100%;text-dec
oration:none}.vrhstat{height:0;overflow:hidden}.vsb_tr_c{position:relative;width:100%;overflow:hidde
n;background:#1d1b28;height:583px;margin-bottom:16px}.vsb_tr_c.tr_nh{height:294px}.vsb_tr_c
.mm_vrc h2,.vsb_tr_c .mm_vrc .see_more{display:none}.vsb_tr_c
.mm_vrc>div{padding-bottom:20px}.vsb_tr_c
.vsb_tr_t{position:absolute;top:16px;left:160px;font:normal 16px/19px
"Arial",Helvetica,Sans-Serif;font-weight:700;color:#fff;z-index:1}.vsb_tr_c
.vsb_tr_t::after{width:17px;height:12px;display:inline-block;background-size:7px
12px;background-repeat:no-repeat;background-position-x:right;opacity:.7;content:""}.vsb_tr_c
.vsb_tr_t: hover::after{opacity:1}.vsb_tr_c .mm_vrc
.mc_vtvc{background-color:#585858;border-radius:6px}.vsb_tr_c .mm_vrc
.mc_vtvc_con_rc{border-radius:6px}.vsb_tr_c
.vsb_tr_chd{position:absolute;bottom:0;width:100%}.vsb_tr_c .onhov
.mc_vtvc_ban_lo{display:none}.vsb_tr_chd .mc_vtvc_tot .mc_vtvc_title{line-height:15px}.vsb_tr_chd
.mc_vtvc_tot .mc_vtvc_meta_row,.vsb_tr_chd .mc_vtvc_tot .mc_vtvc_meta_row
a{color:#dadada}.vsb_tr_chd .grad_b{top:30%;height:auto}.vsb_tr_chd .mc_vtvc_tot
.mc_vtvc_meta_row{font-size:12px;line-height:16px;height:16px}.vsb_tr_chd .mc_vtvc_tot
.meta_pd_content{display:none}.vsb_tr_chd .mc_vtvc_tot .mc_vtvc_title
strong{font-weight:500}.vsb_tr_c .slide video{object-fit:cover}.vsb_tr_c .mc_vtvc_th
.cico{width:100%;height:100%}.vsb_tr_c .vrhcac{width:647px;position:absolute;width:calc(42% -
160px);bottom:200px;margin:0 0 0 160px;height:auto;padding:0;pointer-events:auto}.vsb_tr_c
.vrhcac .mc_vtvc_title{font:normal 30px/35px
"Arial",Helvetica,Sans-Serif;font-weight:700;height:70px;overflow:hidden;color:#fff;text-overflow:ellip
sis;display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2}.vsb_tr_c .vrhcac
.mc_vtvc_meta_block_area{height:50px;margin:12px 0 0 0}.vsb_tr_c .vrhcac
.mc_vtvc_meta_row{font:normal 13px/15px "Arial",Helvetica,Sans-Serif;margin:5px 0 5px
0;color:#dadada}.vsb_tr_c .mm_vrc .b_overlay .btn.bigrounded .cr>div,.vsb_tr_c .mm_vrc .b_overlay
.btn.bigrounded
.cr>div: hover{background-image:url(/rp/qA6EopzJjTm5qQJvnXlrWGNP778.svg)}.vsb_tr_c
.vsb_tr_t::after{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%227%22%20hei
ght%3D%2214%22%20viewBox%3D%220%200%207%2014%22%20fill%3D%22none%22%20xml
ns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%20%20%20%20%3Cpath%20d
%3D%22M0.186925%201.19491L5.4643%207L0.186925%2012.8051C-0.0623082%2013.0792%2
```

# Clasificación de las peores marcas de paneles fotovoltaicos

0-0.0623082%2013.5214%200.186925%2013.7944C0.436158%2014.0685%200.838112%2014.0685%201.08628%2013.7944L6.81334%207.49465C6.93212%207.36515%207%207.18433%207%207C7%206.81567%206.93212%206.63485%206.81334%206.50535L1.08628%200.205616C0.837052%20-0.0685388%200.435097%20-0.0685388%200.186925%200.205616C-0.0612477%200.479772%20-0.0623082%200.92192%200.186925%201.19491Z%22%20fill%3D%22white%22%20fill-opacity%3D%220.7%22%2F%3E%0D%0A%3C%2Fsvg%3E)}.va\_tt .mm\_vrc{padding:11px 2px 0 0}.va\_tt .vsb\_tr\_t{position:relative;top:auto;left:auto;font:normal 18px/22px "Arial",Helvetica,Sans-Serif;font-weight:400;color:#4007a2;z-index:auto}.b\_dark .va\_tt .vsb\_tr\_t{color:#82c7ff}.va\_tt .vsb\_tr\_tp,.va\_tt .vsb\_tr\_tl{display:inline-block;margin-right:5px}.va\_tt .vsb\_tr\_chd{position:relative}.vsb\_tr\_c.va\_tt{--va-st-padding-bottom:16px;height:auto;background-color:transparent;margin-top:22px;overflow:visible;padding-bottom:var(--va-st-padding-bottom);margin-bottom:0}.va\_tt .mc\_vtvc\_ban\_lo,.va\_tt .vsb\_tr\_t::after,.va\_tt .mc\_vtvc\_hover .mc\_vtvc\_center\_play,.va\_tt .vsb\_tr\_chd .vt\_onhv .mc\_vtvc .mc\_vtvc\_meta{display:none}.va\_tt .mc\_vtvc\_hover .mc\_vtvc\_ht,.va\_tt .mc\_vtvc\_hover .mc\_vtvc\_htb{display:table-cell}.va\_tt .mc\_vtvc\_htb{padding-top:50px;background:linear-gradient(360deg,rgba(0,0,0,.6) 60.35%,rgba(0,0,0,0) 100%);font-size:11px;line-height:13px}.va\_tt .mc\_vtvc\_ht{padding:0 24px;text-shadow:0 1px 2px rgba(0,0,0,.2)}.va\_tt .mc\_vtvc\_center\_play{bottom:52px}.va\_tt .mc\_vtvc\_hover .mc\_vtvc\_title{max-height:52px;white-space:normal;display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:4}#serpvidans .va\_tt .slide{margin-right:0;vertical-align:bottom;transition:width .2s,height .2s;border-radius:var(--mai-smtc-corner-card-default)!important}#serpvidans .va\_tt .slide:not(:first-child){margin-left:8px}#serpvidans .va\_tt .mm\_vrc>div{padding-bottom:0}.va\_tt .vsb\_tr\_chd .mc\_vtvc .mc\_vtvc\_meta{height:auto;padding:8px;color:#ddd}.va\_tt .vsb\_tr\_chd .mc\_vtvc\_th\_dock{height:72px;position:absolute;bottom:0;background:linear-gradient(360deg,rgba(0,0,0,.55) 60.35%,rgba(0,0,0,0) 100%)}.va\_tt .mc\_vtvc\_meta\_row\_channel{font-size:13px;line-height:15px;font-weight:500;color:#fff;white-space:nowrap;overflow:hidden;text-overflow:ellipsis;margin-bottom:6px}.va\_tt .vsb\_tr\_chd .mc\_vtvc .mc\_vtvc\_title{height:auto;font-size:11px;line-height:13px;color:#ddd;white-space:nowrap;overflow:hidden;text-overflow:ellipsis}.va\_tt .slide .mc\_vtvc{width:100%}.va\_tt .slide video{object-fit:cover}.va\_tt .mc\_vtvc\_th .cico{width:100%;height:204px}.va\_tt .b\_overlay .btn.bigrounded{top:auto;bottom:0;margin-bottom:93px}.va\_tt .vt\_onhv .mc\_vtvc\_htb{padding-top:86px}.va\_tt .vsb\_tr\_chd .mc\_vtvc .vtmu,.va\_tt .vsb\_tr\_chd .mc\_vtvc .vtpl{bottom:6px}.va\_tt .vcmt\_ct,.va\_tt .vcmt\_ctt{display:block;margin-bottom:4px;font-size:11px}.va\_tt .vasyt::before{content:"";background:url(

# Clasificación de las peores marcas de paneles fotovoltaicos

0Fv0CnB4IzftPhuMAAAAASUVORK5CYII=) no-repeat;background-size:18px 18px;padding-right:22px}.va\_tt

.vasig::before{content:"";background:url( CwjWTVmwMRKIMSG44W9hXIGRRKPRUMMCEySgidHExFXjxkgJEU0ISEhEaltg0bZU7bTz99689 +49nvem5SfThVt5yc3ce+ee7zvf869wP/9o/sXm4bKxUaAfQ6bnVkt9GZNIawiuDpCmiM4MLDZwA KDmJNgJoKWGZO6ZZhPK0RHj44+O99GsGITuRhkzJkshwMF00ROwHM6hKzhCnjaREjFBCYmM HcDWYYmJSQKgbIQgi7XIPXiEom9RKBcf1+X1gMF3USBZQjBk2sdPLY2h+6VTgJqSdYqybyVfWP Gw9x4FeWxKilhCY0FH9ZAI7L2yt9vP0BQ0s2dHZJ5hxB05zReObIWvQMF/Jdv+uwMrrzzMxo1g4Bs NI29q42gK/J6SzGB8bH9zf4E/PqJMUyN/A79ZxVpMSHFwGKMmGGSGuTXIZBbvxi9BzYgm1+PK3 vOJgQe7N4I3HsEuoFOIYht6Xu+E79+dAXTX40t1iCQodkRI2yxR6xiEpNWfjBEsVmVTy6iY/d6rO5zU RmwvCcHbQTdknJe3i875FkHV6c5G4ul0dNyva46Dz0EqX6u0GFNPzRG1T78HsQxUqAYOQXQA g6+/Nsj90h34TcRIASBUWFatWJev0xDjlqcaZngKXPt9Bcb/4lkek7wipjU+j84sdKL96AnqqKhrsGJC cNVIKi9oUaWojKKluo4IMecm6k6bZogj5A9ulazVU3jjGPFNGbI7/5RkqfnYQKw4NorLnU6IGC4YohF K+nLlnkVqarOB5dOAvuKgla8dakMNVyfYZBOcuAbOTIFWDsuqEO7e5+e2PsPt7BLQORY0WgVxK kjktJvmAgg6a4xLNwqVqlk/AiKSwXJMAxJnVEghRIJfXoniPChmQ1ZBNp+W5KCDlgYzmdgVqlgpqW kL91h8xoGRrbkwgNfgCrNU52RRS2YvnzsbneJ67kGQvWbeSEktVHE9+ew3y4nIKIYU0NriSibSj/6x 9yk7fByZj98lff68KBD7tmxJjjSPHU8sAaUWUUQBPFaK22uQTf9DIPfYLEy1NtZ1SaVD6PAP1A+9Dj 09BmfbNjhbN0NPjqOxfzfz/G0my2Onf1WCyDMzYIFzeQVWscHsGtJz15N1astmNL87Gbcna32bGqff Ak5KbCQ5BdKzTYvEV8CXi7fhqSTG3BiXA02i+x7puwRcikgloOtXObp5idKDr4HVAsLJi8SzY5y8yyH YhLGLCuzLk9GzBqkNg0hv34noh5/YTFwnljDodzmc8JY8/E+YDFN95CByLx+Gu3U/XCx24PK/yRd dvQx/+D2pWSRvdyhg1s12gg59ChI9mDKW1MzAO3cE1rWvobr6oHKPin4N8QocCUAKt0RIbGZno Cd+I3NN8IwicqRdTSQqotNtBMgFw6qQH1JufoDcrNz7tPRzBfz3JehZI8BifODDeHUZNXAjJFRtUNV ipGyilNiWkmse6MvGjoaxnNTyN0NFV7I72S3sstxML9nxBRL7I00c+my8BhmvwqZRJV0vMKoStCDg QsQV+xbNq1OmYoZLo6PzeGi+fwFJbz1lhJBeawAAAABJRU5ErkJggg==) no-repeat;background-size:18px 18px;padding-right:22px}.va\_tt

.vastt::before{content:"";background:url( AAwAAAAMCAYAAABWdVznAAAA90IEQVR4AZWQu2sCQRDGJyYHCQdqPEKqSHr7NOZFyvQJi J1YKYII1irY+ieoiKXYKZanil3Wloqq4AMfhaAcCMJ93q2vwkXODz6WnZnf7swQEUU0w6D1Wn7y4c OJO/sLL8cH8ps1ernCdYCueCoJm03iAyaLGWa3SztDFg028BoBvnfdw4IWw+hTgtLVUX67ZcBcjC KV0HEI/h0epT2cgT8IBAljyt+KNNsHMLU3yhUUebH+xGwWx+JRjOKdutUk+53wZVCPLGvnj/f2ZCF chXh6RjDwYS1dnFLHo8XvZIMNVuE7PyD1SScAtcHyqhuNevQt8H62BZHiaf6ZtXqegAAAABJRU5 ErkJggg==) no-repeat;background-size:contain;padding-right:20px}.va\_tt

.vasfb::before{content:"";background:url(/rp/zvtkyPveEhrXqHA-euzAa983fpQ.png) no-repeat;background-size:contain;padding-right:20px}.vcmt\_ckt.vasyt::before{background-size:15p x 15px;padding-right:19px}.vcmt\_ckt.vasig::before{background-size:15px 15px;padding-right:19px}.vcmt\_ckt.vastt::before{background-size:contain;padding-right:17px}.vcmt\_ ctt.vasfb::before{padding-right:17px}.mm\_vrc{padding:24px 32px}@media screen and (max-width:1022px){.mm\_vrc{margin:0}}@media screen and (max-width:766px){.mm\_vrc{margin:0}}.mm\_vrc{padding:0 0 32px 0;margin-bottom:0}.mm\_vrc h2{padding-bottom:20px}.mm\_vrc h2 a{font-family:"Segoe

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UI",Arial,Helvetica;font-size:20px;color:#000;line-height:18px}.mm\_vrcc .b\_overlay  
.btn{z-index:3}.mm\_vrcc .vrhc{z-index:2}.mm\_vrcc .mc\_vtvc\_th .cico{padding-bottom:0}#dg\_c  
.mm\_vrc,#dg\_c .mm\_vrcc{padding:8px 16px 0 16px}#dg\_c .mm\_vrcc .mc\_vtvc{width:100%}#dg\_c  
.mm\_vrcc a:hover{text-decoration:underline}.isvctrl .mm\_vrcc  
.slide{overflow:visible}.mm\_vrc{padding:16px 100px 0 160px}.mm\_vrc .b\_overlay  
.btn.bigrounded.next{right:-44px}.mm\_vrc .b\_overlay .btn.bigrounded.prev{left:-44px}.mm\_vrc  
.b\_overlay .btn.bigrounded .cr>div,.mm\_vrc .b\_overlay .btn.bigrounded  
.cr>div:hover{box-shadow:none;border-radius:0;margin:0;background-position:16px  
9px;background-size:12px  
22px;background-color:transparent;background-image:url(/rp/rKVnxf6wkbxI0DBa2Au3IVC5Sog.svg)  
}.mm\_vrc .b\_overlay .btn.bigrounded .cr>div{opacity:.7}.mm\_vrc .b\_overlay .btn.bigrounded  
.cr>div:hover{opacity:1}.mm\_vrc h2  
a{font-family:"Arial",Helvetica,Sans-Serif;font-style:normal;font-weight:500;color:#111}.mm\_vrc  
h2{display:inline-block;padding-bottom:16px}.mm\_vrc>div{position:relative;padding-bottom:32px}.m  
m\_vrc .see\_more{position:absolute;right:0;top:3px}.mm\_vrc  
.see\_more>a{font-family:"Arial",Helvetica,Sans-Serif;font-style:normal;font-weight:normal;font-size:1  
6px;line-height:18px;color:#000}#vsb\_more{padding:16px 0 4px 160px;color:#111}#vsb\_vid\_cat  
.mm\_vrc h2  
a::after{display:inline-block;margin-left:12px;content:"";background-image:url(/rp/rKVnxf6wkbxI0DBa  
2Au3IVC5Sog.svg);background-size:7px 14px;width:7px;height:14px;opacity:.7}#vsb\_vid\_cat  
.mm\_vrc h2 a:hover::after{opacity:1}.mm\_vrc  
.mm\_vrc\_sub{display:inline-block;margin-left:24px}.mm\_vrc  
.b\_hList{position:absolute;height:20px;top:3px;overflow:hidden}.mm\_vrc  
.b\_hList>li{padding-right:24px;padding-bottom:0}.mm\_vrc .b\_hList a{font:normal 13px/20px  
"Arial",Helvetica,Sans-Serif;color:#111}.mm\_vrc .mc\_vtvc\_tot .mmsts  
.mc\_vtvc\_meta{display:none}.vsb\_tr\_chd .mc\_vtvc .mc\_vtvc\_meta { padding: 10px 10px 10px 10px;  
} .vsb\_tr\_chd .mc\_vtvc .mc\_vtvc\_meta\_w { height: 190px; margin-top: -0px; } .vsb\_tr\_chd .mc\_vtvc  
.mc\_vtvc\_title { height: 150px; line-height: 15px; margin-bottom: 0px; margin-top: 0px; } .vsb\_tr\_chd  
.mc\_vtvc .mc\_vtvc\_meta\_block\_area { height: 20px; } .vsb\_tr\_chd .mc\_vtvc .vtmu, .vsb\_tr\_chd  
.mc\_vtvc .vtpl { bottom: 198px; } .vsb\_tr\_chd .mc\_vtvc\_th\_dock { height: 190px; } .vsb\_tr\_chd  
.mc\_vtvc\_th\_dock { height: 60px; } .tr\_bt .mc\_vtvc\_th  
img{height:auto;width:100%}.grad\_b{position:absolute;width:100%;top:30%;bottom:0%;background:l  
inear-gradient(180deg,rgba(48,44,39,0) 0%,#302c27 100%)} .mc\_vtvc\_th\_dock{width:100%;background:#302c27}.mc\_vtvc\_tot  
.mc\_vtvc\_th{background-color:transparent}.vsadc .grad\_b{top:81.8%}.mc\_vtvc\_tot  
.mc\_vtvc\_meta{line-height:15px;position:absolute;bottom:0%;background:transparent}.mc\_vtvc\_tot  
.mc\_vtvc\_meta\_row{line-height:16px;font-size:12px;height:16px}.mc\_vtvc\_tot  
.mc\_vtvc\_meta\_row,.mc\_vtvc\_tot .mc\_vtvc\_meta\_row a{color:#dadada}.mc\_vtvc\_tot  
.mc\_vtvc\_title,.mc\_vtvc\_tot .mc\_vtvc\_title a{color:#fff}.vsadc .mc\_vtvc\_tot  
.mc\_vtvc\_title{line-height:18px}.vsadc .mc\_vtvc\_tot .mc\_vtvc\_meta\_row,.vsadc .mc\_vtvc\_tot  
.mc\_vtvc\_meta\_row a{color:rgba(255,255,255,.7)}.vsadc

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```
.mc_vtvc_meta_pubdate{padding-bottom:2px}.vtdc_default{background:#302c27}.vtdc_default_g{background:linear-gradient(180deg,rgba(48,2,39,0) 0%,#302c27 100%)}
.vtdc_black{background:#111}.vtdc_black_g{background:linear-gradient(180deg,rgba(17,17,17,0) 0%,#111 100%)}
.vtdc_blue{background:#3a4e74}.vtdc_blue_g{background:linear-gradient(180deg,rgba(58,78,116,0) 0%,#3a4e74 100%)}
.vtdc_brown{background:#69423d}.vtdc_brown_g{background:linear-gradient(180deg,rgba(105,66,61,0) 0%,#69423d 100%)}
.vtdc_grey{background:#464646}.vtdc_grey_g{background:linear-gradient(180deg,rgba(70,70,70,0) 0%,#464646 100%)}
.vtdc_green{background:#324f32}.vtdc_green_g{background:linear-gradient(180deg,rgba(50,79,50,0) 0%,#324f32 100%)}
.vtdc_orange{background:#8c5400}.vtdc_orange_g{background:linear-gradient(180deg,rgba(140,84,0,0) 0%,#8c5400 100%)}
.vtdc_pink{background:#a3394b}.vtdc_pink_g{background:linear-gradient(180deg,rgba(163,57,75,0) 0%,#a3394b 100%)}
.vtdc_purple{background:#774077}.vtdc_purple_g{background:linear-gradient(180deg,rgba(119,64,119,0) 0%,#774077 100%)}
.vtdc_red{background:#811515}.vtdc_red_g{background:linear-gradient(180deg,rgba(129,21,21,0) 0%,#811515 100%)}
.vtdc_white{background:#464646}.vtdc_white_g{background:linear-gradient(180deg,rgba(70,70,70,0) 0%,#464646 100%)}
.vtdc_yellow{background:#755b00}.vtdc_yellow_g{background:linear-gradient(180deg,rgba(117,91,0,0) 0%,#755b00 100%)}
.vtdc_teal{background:#256868}.vtdc_teal_g{background:linear-gradient(180deg,rgba(37,104,104,0) 0%,#256868 100%)}
.cipt,.cipg,.cipa,.cipl,.ciptr,.ciplr{display:inline-block}.cipa,.cipl,.ciplr{cursor:pointer}.vab{vertical-align:bottom}.vam{vertical-align:middle}.vat{vertical-align:top}.vabl{vertical-align:baseline}.vatt{vertical-align:text-top;border-radius:0}.vatb{vertical-align:text-bottom}
evronDown12, evronUp12{background:url(/rp/QKITrqL25sGDqfRYQjkMWJWDeG8.png) no-repeat;background-size:494px 58px;width:12px;height:12px}
evronDown12{background-position:-372px 0} evronUp12{background-position:-372px -14px}@media(prefers-color-scheme:dark){#bpage.b_med
evronDown12{background-position:-386px 0}#bpage.b_med
evronUp12{background-position:-386px -14px}#bpage.b_drk
evronDown12{background-position:-386px 0}#bpage.b_drk evronUp12{background-position:-386px -14px}.cipt,.cipl{margin-right:10px}.cipt
.cico,.cipl .cico,.ciptr .cico,.ciplr
.cico{border-radius:0}.b_action>.cipt,.b_action>.cipl{float:left}.ciptr,.ciplr{margin-left:10px}.sw_play{height:16px;width:16px}:not(.dc_aud_wrp)>.sw_play{background-image:url(
E6UAFKUAE6QAFKUAeqYAD58AE6QAE6UAFKQAEqUAD6QAE6MAE6QAD6cAE6QAFaQAFKQ
```

# Clasificación de las peores marcas de paneles fotovoltaicos

AEqQAFKUAEqQAFKUAEqIAFKMAEeqMAE6MAD58AE6UAE6UAE6IAFKYAFKYAE6MaDJ//AAAAI  
3RSTIMAEGCfz+//XyCQj79vMEDfIKAWoK/vYL9gcHDPMM9QkK+fznHYYSkAAAEVSURBVHgBdZ  
MFkuwwEEPvk/ULx8nSMN7/jh/X1dUDKgjpyaTIZavqLUF6q2rTo5o24aoaRVkH9MNNokk1DD3QW8  
AzV7M/zAtIDNGbyqKA5k9+d58OkKPukZFjmU0/0Qf6PdeXGVcDu3wBQphcXpxH+vlioyhtyHRwLrW  
QeICCEzHyZvunlBmLlmo0WtsEQQnZU2jMFQwg5cFTCgiGEGF8CBUMMGReGdCpvng/xaT7Ennc  
3RFyaOMZIOu7LXLf2Q8GL1tSyROMGx3/O0aSzH1bEyznOUKYZcC/C+XVh2nJT6Yk+yd7giz3wV/  
LstS8NfvgTPCN0qVkofAk8A+thMsnehzXQmqLmBVdqHXfZ97JPkPa3ldP6DeOGDIAP873EAAAAA  
EIFTkSuQmCC);background-size:16px 16px}#slideexp1\_27F34E .slide { width: 94px; margin-right:  
20px; }#slideexp1\_27F34Ec .b\_slidebar .slide { border-radius: 6px; }#slideexp1\_27F34E  
.slide:last-child { margin-right: 1px; }.b\_sldrp .slide{box-shadow:0 0 0 1px rgba(0,0,0,.05)}.b\_cards  
.cico,.b\_slidebar .slide .cico{border-radius:0}#b\_content .b\_wpt\_container  
.l\_ecrd\_imgsetgrid.l\_ecrd\_imgsetgrid\_actionlink .l\_ecrd\_imgsetgrid\_item  
.cico{border-radius:0!important}.b\_sldrp .slide.see\_more{box-shadow:0 0 0 0 rgba(0,0,0,0)}.b\_sldrp  
.slide.see\_more .carousel\_seemore{border:0}.b\_sldrp .slide.see\_more:hover{box-shadow:0 0 0 0  
rgba(0,0,0,0)}#slideexp1\_27F34Ec { margin: -4px; } #slideexp1\_27F34Ec .b\_viewport { padding: 4px  
1px 4px 1px; margin: 0 3px; }#slideexp1\_27F34Ec .b\_slidebar .slide[data-mini="1"] { display:none;  
}Vídeos de Clasificación de Las Peores Marcas de Paneles FotovoltaicosVer vídeo0:20The danger  
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completo.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 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\_moreLink,.b\_subModule>.b\_moreLink:visited{color:#767676}.  
b\_imgSet  
.cico.b\_placeholder{display:flex;justify-content:center;background-color:#f5f5f5;background-clip:cont  
ent-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

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.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;padding-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:0}.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-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(--mai-smtc-corner-card-default);border-bottom-left-r  
 adius:var(--mai-smtc-corner-card-default);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(--mai-smtc-corner-card-default);border-bottom-righ  
 t-radius:var(--mai-smtc-corner-card-default);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\*va  
 r(--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}.rcimgcol .b\_hList>li{position:relative;padding-bottom:0}.rcimgcol  
 .b\_hList>li  
 .iacf\_smol{pointer-events:none;border-top-right-radius:var(--mai-smtc-corner-card-default);border-bo  
 ttom-right-radius:var(--mai-smtc-corner-card-default);white-space:normal}.rcimgcol .b\_hList  
 .cico{margin-bottom:0}.iacf\_smol{display:flex;justify-content:center;align-items:center;gap:var(--smtc  
 -gap-between-content-xx-small);width:100%;height:100%;background:rgba(0,0,0,.6);position:absolut  
 e;left:0;top:0;color:var(--mai-smtc-foreground-ctrl-on-image-rest);font:var(--bing-smtc-text-global-bod  
 y2-strong);flex-wrap:wrap;align-content:center;text-align:center}.iacf\_smol: hover{text-decoration:und  
 erline}.iacfmit[data-nohov] .iacfimgc .cico img{transform:none}El Consultor SolarLas 10 mejores  
 placas solares de 2026 Comparativa y guíaVer másLas células de los paneles solares son de  
 tamaño estándar, pero hay marcas que usan células partidas porque aportan menor resistencia al  
 paso de la corriente y logran que la placa no pierda eficiencia

Lista Tier 1 de fabricantes de paneles solares Q3 2025 según BloombergNEF. Descubre qué marcas lideran el mercado fotovoltaico este trimestre.

Desde nuestra experiencia como instaladores, analizando datos técnicos reales y el comportamiento a largo plazo, te explicamos cuáles son las mejores marcas de paneles solares y

# Clasificación de las peores marcas de paneles fotovoltaicos

Los paneles solares más eficientes reales, los mejores en la actualidad, son las marcas REC, Maxeon y FuturaSun. Pero vamos a desgranar todo el informe, con filtrado de

El objetivo de este artículo es ofrecer una comparativa exhaustiva de diferentes marcas y modelos de paneles solares, analizando sus características, eficiencia, costos y garantías.

Descubre las marcas de paneles solares más destacadas en 2026 y elige la mejor opción para tu hogar.

Web: <https://www.youfoto.es>

