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Generado el: 2026-05-05 15:16:01

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La energía solar termoeléctrica o solar térmica es una tecnología prometedora que utiliza el calor proveniente del sol para generar electricidad. Este proceso ocurre en plantas

La energía solar térmica es una tecnología que aprovecha la energía del sol para generar calor. Su principio es simple: capturar la radiación solar y transferirla en forma de energía térmica a un fluido.

Por El Principio de circulación Por Sistema de Transferencia de Calor Por Diseño: Equipos Termosifón O «A Medida» Por Presión de Trabajo: Abiertos O Cerrados Sistemas directos: Se utiliza el mismo fluido, normalmente agua, tanto en el colector como el acumulador. Sistemas indirectos: El fluido del colector transporta el calor, utilizando algún medio intercambiador, hacia el agua de consumo donde está el acumulador. Ver más en [ovacen](#) `#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 #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 .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-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 .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
.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-text-side) var(--smtc-gap-between-content-xx-small)}#serpvidans.vsacf .rmts .mc_bce
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_slrdp
.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}#serpvidans.vsacf .b_module_expansion_control .b_btnContainer
.b_CompactExpansion{background-color:var(--bing-smtc-background-ctrl-neutral-rest);display:flex;justify-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-smtc-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
.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; }
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.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_ILLeft{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: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_ILLeft{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
```

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.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%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 .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-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
.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 .tibt_tt{display:none}.mc_vtvc_con_rc.onhov
```

```
.wkmnt
.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{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}.emptyStyleForDebuggingPurpose{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()}.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:1274.9p
x){#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
.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 .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  
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}.vrhc.icons\_1 .vrhc{margin-right:27px}.vrhc.icons\_2  
.vrhc{margin-right:49px}.vrhc.icons\_3 .vrhc{margin-right:79px}.vrhc .vrhc .vrhc .vrhc .vrhc .vrhc  
.vrhc.icons\_1  
.vrhc{margin-right:0}.vpb{position:absolute;display:block;bottom:0;left:0;height:4px}.vpb  
div{position:absolute}.vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb .vpb  
nt.test{display:none}.vpb.back{background-color:#999}.vrhc  
.vrhc.npb{height:36px;max-height:36px}.vrhc  
.vadda{width:22px;height:18px;padding:0;margin-right:0;margin-left:2px;bottom:0;position:relative;di



```
.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
0-0.0623082%2013.5214%200.186925%2013.7944C0.436158%2014.0685%200.838112%2014.06
85%201.08628%2013.7944L6.81334%207.49465C6.93212%207.36515%207%207.18433%207%2
07C7%206.81567%206.93212%206.63485%206.81334%206.50535L1.08628%200.205616C0.837
052%20-0.0685388%200.435097%20-0.0685388%200.186925%200.205616C-0.0612477%200.47
9772%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-co
lor: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:hi  
dden;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(  
ABgAAAAYCAYAAADgdz34AAABRkIEQVR4Ae2UT0rDQBjFX7QICtaoIOimAReiUNuV696jmx5A8A  
alZ/AlpbdwIT2B6wqIWYkuWgnBP7jo+D7SkcmiM4kd6KYPfjNDeHlfJt8kwEYOBXqhgENOd+SGnJK  
Q7JFjsr3k/jmZkg/yQn7IE7IncAwjvElmRHICskKzQMdjuOZWsrcWNS7hX+dmgQurNQzxD52YBQ6s  
1maTb3UCtNsooTOzwl7THkXAYAD0+9narVyTR9aGtVoqpyRRqtdzNXIs7qCCMqpWgXodqNVsrrk  
Z/ImiimMe6g4wHLqciQx6BzOXGwn93S7QaBQJF6Uy6B28Wq3y1HKSZC6uL7PAG1wFymSkG35F  
Y/jX899Kfkk6vE/JFIRrhvwXJEH8r5C8lw8kmudGyzbH037nl6Q9UnWu8i+eDnf38iamC7saVDkJG6  
0Fv0CnB4lZftPhuMAAAAASUVORK5CYII=) no-repeat;background-size:18px  
18px;padding-right:22px}.va\_tt  
.vasig::before{content:"";background:url(  
ABgAAAAYCAYAAADgdz34AAAEsUIEQVR4Ad1UTWxUVRT+zn3vzbz5ozNtFQpRa2hDjC6qhKWI  
CwjWTVmwMRKIMSG44W9hXIGRRKPRUMMCEySgidHExFXjxkgJEU0ISEhEaltg0bZU7bTz99689  
+49nvem5SfThVt5yc3ce+ee7zvf869wP/9o/sXm4bKxUaAfQ6bnVkt9GZNiAwiuDpCmiM4MLDZwA  
KDmJNgJoKWGZO6ZZhPK0RHj44+O99GsGITuRhkzJkshwMF00ROwHM6hKzhCnjaREjFBCYmM  
HcDWYYmJSQKgblQgi7XIPXiEom9RKBcf1+X1gMF3USBZQjBk2sdPLY2h+6VTgJqSdYqybyVfWP  
Gw9x4FeWxKilhCY0FH9ZAI7L2yt9vP0BQ0s2dHZJ5hxB05zReObIWvQMF/Jdv+uwMrrzzMxo1g4Bs  
NI29q42gK/J6SzGB8bH9zf4E/PqJMUyN/A79ZxVpMSHFWgKMmGGSGuTXIZBbvxi9BzYgm1+PK3  
vOJgQe7N4I3HsEuoFOIYht6Xu+E79+dAXTX40t1iCQodkRI2yxR6xiEpNWfjBEsVmVTy6iY/d6rO5zU

RmvwCcHbQTdknIJe3i875FkHV6c5G4uI0dNyva46Dz0EqX6u0GFNPzRG1T78HsQxUqAYOQXQA  
g6+/Nsj90h34TcRIASBUUWFatWJev0xDjlqcaZngKXPt9Bcb/4IxeK7wipjU+j84sdKL96AnqqKhrsGJC  
cNVIKi9oUaWojKKluo4IMecm6k6bZogj5A9ulazVU3jjGPFNGbI7/5RkqfnYQKw4NorLnU6IGC4YohF  
K+nLlnkVqarOB5dOAvuKgla8dakMNVyfYZBOcuAbOTIFWDsuqEO7e5+e2PsPt7BLQORY0WgVxK  
kjktJvmAgg6a4xLNwqVqlk/AiKSwXJMAxJnVEghRIJfXoniPChmQ1ZBNp+W5KCDlgYzmdgVqlgpqW  
kL91h8xoGRrbkwgNfgCrNU52RRS2YvnzsbneJ67kGQvWbeSEktVHE9+ew3y4nIKIYIU0NrI  
SibSj/6x9yk7fByZj98lff68KBD7tmxJjjSPHU8sAaUWUUQBPFaK22uQTf9DIPfYLEy1NtZ1SaVD6PAP1A+9Dj  
09BmfbNjhbN0NPjqOxfzfz/G0my2Onf1WCyDMzYIFzeQVWscHsGtJz15N1astmNL87Gbcna32bGqff  
Ak5KbCQ5BdKzTYvEV8CXi7fhqSTG3BiXA02i+x7puwRcikgloOtXObp5idKDr4HVAsLJi8SzY5y8yyH  
YhLGLCuzLk9GzBqkNg0hv34noh5/YTFwnljDodzC8JY8/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+ieoiKXYKZanil3Wloqg4AMfhaAcCMJ93q2vwkXODz6WnZnf7swQEUU0w6D1Wn7y4c
OJO/sLL8cH8ps1ernCdYCueCoJm03iAyaLGWa3SzstDFg028BoBvnfdw4IWr+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:15px
x15px;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_ckt
tt.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_vrcc{padding:0 0 32px 0;margin-bottom:0}.mm_vrcc
h2{padding-bottom:20px}.mm_vrcc h2 a{font-family:"Segoe
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/rKVnxf6wkbx10Dba
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}.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-V53K
pAdOj-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_s
eemore{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}.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:middl
e;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
```



```
.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
.mc_vtvc_meta_pubdate{padding-bottom:2px}.vtdc_default{background:#302c27}.vtdc_default_g{ba
ckground: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(58,7
8,116,0)      0%,#3a4e74
100%)}.vtdc_brown{background:#69423d}.vtdc_brown_g{background:linear-gradient(180deg,rgba(1
05,66,61,0)      0%,#69423d
100%)}.vtdc_grey{background:#464646}.vtdc_grey_g{background:linear-gradient(180deg,rgba(70,7
0,70,0)      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(1
19,64,119,0)      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(1
17,91,0,0)      0%,#755b00
100%)}.vtdc_teal{background:#256868}.vtdc_teal_g{background:linear-gradient(180deg,rgba(37,10
4,104,0)      0%,#256868
100%)}.cipt,.cipg,.cipa,.cipl,.ciptr,.ciplr{display:inline-block}.cipa,.cipl,.ciplr{cursor:pointer}.vab{vertica
l-align:bottom}.vam{vertical-align:middle}.vat{vertical-align:top}.vabl{vertical-align:baseline}.vatt{verti
cal-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{h
```

# Proceso de generación de energía solar térmica

eight:16px;width:16px}:not(.dc\_aud\_wrp)>.sw\_play{background-image:url();background-size:16px 16px}#slideexp0\_9F04CB .slide { width: 94px; margin-right: 20px; }#slideexp0\_9F04CBc .b\_slidebar .slide { border-radius: 6px; }#slideexp0\_9F04CB .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\_eocrd\_imgsetgrid.l\_eocrd\_imgsetgrid\_actionlink .l\_eocrd\_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)}#slideexp0\_9F04CBc { margin: -4px; } #slideexp0\_9F04CBc .b\_viewport { padding: 4px 1px 4px 1px; margin: 0 3px; }#slideexp0\_9F04CBc .b\_slidebar .slide[data-mini="1"] { display:none; }Vídeos de Proceso de Generación de energía Solar TérmicaVer vídeo0:58¿Cómo funciona la energía solar térmica? Desde lo básico a lo industrial. Cursos ElectroEnergy1,8K visualizaciones13 de oct. de 2024Ver vídeo17:44CENTRAL SOLAR TERMICA ? Generación de energía termo eléctrica / por Ciclo Rankine & Stirling IngRenovable838 visualizaciones3 de abr. de 2023Ver vídeo1:08:16Ciclo de Charlas sobre Energía | Energía Solar Térmica Instituto de Energía UNCUIYO (IDE)3,1K visualizaciones14 de ago. de 2020Ver vídeo completoVídeos brevesproceso de generación de energía solar térmica00:58 02:38 00:54TikTok00:28 01:13 01:00 Ver todoVer vídeo completo.b\_wikiRichcard\_noHeroSection{content-visibility:auto;contain-intrinsic-size:1px 218px}#b\_results .b\_wikiRichcard p{display:inline}.b\_wikiRichcard .b\_promoteText{font-weight:bold}.b\_wikiRichcard .tab-head{margin-bottom:var(--smtc-gap-between-content-x-small)}#b\_results>li .b\_wikiRichcard .wikiRichcard\_heroSection{padding-bottom:var(--smtc-gap-between-content-small)}#b\_results>li .b\_wikiRichcard .wikiRichcard\_heroSection p{color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b\_results>li .b\_wikiRichcard .tab-content p,#b\_results>li .b\_wikiRichcard .tab-content a{color:var(--smtc-ctrl-rating-icon-foreground-filled)}#b\_results>li .b\_wikiRichcard .tab-container a{border-bottom:1px dashed var(--smtc-stroke-ctrl-on-neutral-rest)}#b\_results>li .b\_wikiRichcard a.b\_mopexpref{border-bottom:0}#b\_results>li .b\_wikiRichcard line>a: hover{background-color:transparent;text-decoration:none}#b\_results>li .b\_wikiRichcard a[href\*="wikipedia "],#b\_results>li .b\_wikiRichcard a[href\*="wikipedia "]:hover,#b\_results .b\_wikiRichcard .wiki\_attr a,#b\_results .b\_wikiRichcard .wiki\_attr a: hover{border-bottom:0}#b\_results>li .b\_wikiRichcard a[href\*="wikipedia "]:hover,#b\_results

```
.b_wikiRichcard .wiki_attr
a: hover{text-decoration: underline; background-color: var(--smtc-background-card-on-primary-default-rest)}#b_results>li .b_wikiRichcard_noHeroSection .b_wikiRichcard
p{color: var(--bing-smtc-foreground-content-neutral-secondary-alt); display: -webkit-box; -webkit-line-clamp: 5; -webkit-box-orient: vertical; overflow: hidden; padding-bottom: 0}.b_wikiRichcard_noHeroSection
.b_imagePair
.b_wikiRichcard_image{float: right; margin-top: var(--smtc-padding-ctrl-text-side)}.b_wikiRichcard_noHeroSection .b_wikiRichcard
.b_clearfix.b_overflow{line-height: var(--mai-smtc-padding-card-default)}.b_wikiRichcard_noHeroSection .b_imagePair
.b_wikiRichcard_image_caption{margin-right: 110px}.b_wikiRichcard_noHeroSection .b_imagePair
.sml{display: none}#b_results li.b_algoBigWiki: hover h2
a{text-decoration: underline}.b_wikiRichcard_noHeroSection .b_floatR_img{padding: 0 0
var(--smtc-gap-between-content-x-small)
var(--smtc-gap-between-content-x-small)}.b_wikiRichcard_noHeroSection{margin-top: var(--smtc-gap-between-content-x-small); margin-bottom: var(--smtc-gap-between-content-xx-small); box-sizing: border-box}#b_content #b_results .b_algo .b_wikiRichcard .tab-head .tab-menu
li.tab-active{box-shadow: none; background: var(--bing-smtc-background-ctrl-subtle-rest); border-radius: var(--mai-smtc-corner-list-card-default); color: var(--bing-smtc-foreground-content-brand-rest)}#b_content #b_results .b_algo .b_wikiRichcard: not(:has(.tab-navr)) .tab-head .tab-menu
li: hover{background: var(--smtc-background-ctrl-neutral-hover); color: var(--bing-smtc-foreground-content-brand-rest); border-radius: var(--mai-smtc-corner-list-card-default)}.b_wikiRichcard .tab-head
.tab-menu ul{gap: var(--smtc-gap-between-content-small)}#b_results .tab-menu
li: hover{box-shadow: none}#b_content #b_results .b_wikiRichcard
.tab-active: focus-visible{outline: 0}#b_results .b_wikiRichcard .tab-menu, #b_results .b_wikiRichcard
.tab-menu li, #b_results .b_wikiRichcard .tab-menu
ul{height: auto; line-height: var(--AC_LineHeight)}#b_results .b_wikiRichcard
.tab-head{display: flex; justify-content: center; align-items: center}#b_results .b_wikiRichcard
.tab-head: has(tab-navr){width: fit-content}#b_results .b_wikiRichcard .tab-head
li{padding-top: var(--smtc-gap-between-content-x-small); padding-bottom: var(--smtc-gap-between-content-x-small)}#b_results .b_wikiRichcard
.tab-container{padding-bottom: 0}.b_wikiRichcard_noHeroSection
span{color: var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_results
.b_wikiRichcard, #b_results .b_wikiRichcard span{font: var(--bing-smtc-text-global-body3)}#b_content
#b_results .b_algo .b_wikiRichcard .tab-head .tab-menu li
.tab-active{color: var(--smtc-foreground-content-neutral-primary)}#b_content #b_results .b_algo
.b_wikiRichcard .tab-head .tab-menu
li: not(.tab-active){color: var(--bing-smtc-foreground-content-neutral-tertiary)}#b_content #b_results
.b_algo .b_wikiRichcard: not(:has(.tab-navr)) .tab-head .tab-menu
li: not(.tab-active): hover{color: var(--bing-smtc-foreground-content-brand-rest)}.b_wikiRichcard
.b_vList>li{padding-bottom: var(--smtc-gap-between-content-xx-small)}#b_results>li .b_wikiRichcard
```

a{color:var(--smtc-ctrl-link-foreground-brand-rest)}.pvc\_title\_with\_frows{padding-bottom:10px}.paratitle.actionmenu{float:right;margin-top:-26px}.paratitle.actionmenu::after{float:none}.b\_paractl,#b\_results

.b\_paractl{line-height:1.5em;padding-bottom:10px}#tabcontrol\_15\_9F2535 .tab-head { height: 40px; } #tabcontrol\_15\_9F2535 .tab-menu { height: 40px; } #tabcontrol\_15\_9F2535\_menu { height: 40px; } #tabcontrol\_15\_9F2535\_menu>li { background-color: #ffffff; margin-right: 0px; height: 40px; line-height:40px; font-weight: 700; color: #767676; } #tabcontrol\_15\_9F2535\_menu>li:hover { color: #111; position:relative; } #tabcontrol\_15\_9F2535\_menu .tab-active { box-shadow: inset 0 -3px 0 0 #111; background-color: #ffffff; line-height: 40px; color: #111; } #tabcontrol\_15\_9F2535\_menu .tab-active:hover { color: #111; } #tabcontrol\_15\_9F2535\_navr, #tabcontrol\_15\_9F2535\_navl { height: 40px; width: 32px; background-color: #ffffff; } #tabcontrol\_15\_9F2535\_navr .sv\_ch, #tabcontrol\_15\_9F2535\_navl .sv\_ch { fill: #444; } #tabcontrol\_15\_9F2535\_navr:hover .sv\_ch, #tabcontrol\_15\_9F2535\_navl:hover .sv\_ch { fill: #111; } #tabcontrol\_15\_9F2535\_navr.tab-disable .sv\_ch, #tabcontrol\_15\_9F2535\_navl.tab-disable .sv\_ch { fill: #444; opacity:.2; }

WikipediaEnergía solar térmica - Wikipedia, la enciclopedia libreInformación generalAcumulación e intercambio de calorAgua caliente sanitaria (ACS)Calefacción y frío solarClimatización solar de piscinasComponentes de la instalaciónEquiposAmortizaciónExiste más energía en las frecuencias más altas de la luz basados en la fórmula, donde  $h$  es la constante de Planck y  $\nu$  es la frecuencia. Los colectores metálicos disminuyen las frecuencias más altas de la luz produciendo una serie de cambios Compton en abundancia de frecuencias más bajas de la luz. Los revestimientos de vidrio y cerámica con alta transmisividad en el espectro visible y ultravioleta y con una trampa metálica con absorción efectiva en el espectro infrarrojo (bloqueo de calor) absorben la lu

Existen tres maneras: conducción, convección y radiación. La clave para saber cómo se transforma la energía solar en energía térmica radica en los captadores o colectores.

Una instalación solar térmica está formada por captadores solares, un circuito primario y secundario, intercambiador de calor, acumulador, vaso de expansión y tuberías.

La energía solar térmica o también conocida como energía termosolar se puede definir como el calor generado por la radiación solar, es decir, el aprovechamiento de la energía

La producción de energía solar térmica se refiere al aprovechamiento de la energía del Sol para generar calor. Este tipo de energía se utiliza en diversas aplicaciones, desde la cocción

La operación de un sistema solar térmico implica una serie de etapas bien definidas que permiten captar, transferir y utilizar la energía térmica generada por la radiación solar.

La energía solar térmica aprovecha el Sol para producir calor, lo que se traduce en una serie de interesantes aplicaciones. Te contamos en qué consiste.

# Proceso de generación de energía solar térmica

El funcionamiento de la energía solar térmica es por medio colectores solares térmicos que son dispositivos que utilizan la energía del sol para calentar líquidos, principalmente

Las plantas térmicas del tipo torre solar, son una tecnología que se basa en la reflexión simultánea desde un campo de espejos orientados hacia una torre, la cual aprovecha la

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

