

Inverter for monocrystalline silicon photovoltaic panels

Solar technology isn't limited to panels. Get to know microinverters - the latest in inverter tech - and gauge if they're suitable for your solar endeavor.

What Is A Solar Power Inverter? How Does It Work?How Do Solar Power Inverters Work?Which Type of Solar Power Inverters Should I Choose?Bonus: Solar Inverter Oversizing vs. UndersizingThe Wrap UpThe solar process begins with sunshine, which causes a reaction within the solar panel. That reaction produces a DC. However, the newly created DC is not safe to use in the home until it passes through an inverter which turns it from DC to AC. See more on solarmagazine body>

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-saml-product-card-hoverable-overlay .line-clamp-expanded
.cmuipcm-content-cntr__title{-webkit-line-clamp:5!important;max-height:110px!important}.b_hide{display:n
one!important}.saml-container{margin:0
0;padding-bottom:var(--smtc-gap-between-content-medium)}#b_results>li.b_top.b_ans.b_topborder
.saml-container{padding-bottom:0}.saml-container
.acf-title-text{margin-right:4px}.acf-header-title,.acf-filters-container{margin-left:0}.saml-products-wrapper{
position:relative;min-height:200px}.saml-product-card-container,.saml-product-card-container
.saml-product-card-normal,.saml-product-card-container .saml-product-card-normal
merce-ui-product-card-medium__target-link{height:100%}.saml-products-wrapper-slide{position:relative;min
-height:200px;margin-bottom:16px}.saml-products-wrapper-slide
.slide{box-shadow:none!important;margin-right:16px!important;height:100%}.b_dark
.saml-products-wrapper-slide .slide{background-color:transparent!important}.saml-products-wrapper-slide
.b_overlay
.btn.rounded{width:36px;height:48px;border-radius:12px;display:flex;justify-content:center;align-items:cente
r;transition:opacity .5s;margin-top:unset;top:136px}.saml-products-wrapper-slide .b_overlay .btn.rounded
.bg{position:absolute;width:100%;height:100%;background:#fff;opacity:1;box-shadow:0 6px 12px 0
rgba(27,53,86,.08);border-radius:12px}.saml-products-wrapper-slide .b_overlay .btn.rounded
.vcac{position:relative;width:6.5px;height:12px;top:unset;background:url(data:image/svg+xml,%3Csvg%20x
mlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%20fill%3D%22none%22%20viewBox%3D%220%2
00%207%2012%22%3E%3Cpath%20fill%3D%22%23242424%22%20d%3D%22M.6458.147A.5.5%200%2
00%201%201.353.1459I5.4845%205.465a.55.55%200%200%201%200%20.7792L1.353%2011.855a.5.5%20
0%200%201-.7058-.7084I5.1646-5.1462L.647.8542A.5.5%200%200%201%20.6458.147Z%22%2F%3E%3C
%2Fsvg%3E) center center no-repeat}.saml-products-wrapper-slide .b_overlay .btn.rounded .vcac
div{display:none}.saml-products-wrapper-slide .b_overlay
.btn.rounded.next{right:calc(-18px)}.saml-products-wrapper-slide .b_overlay
.btn.rounded.prev{left:calc(-18px)}.saml-products-wrapper-slide .b_overlay .btn.rounded.prev
.vcac{transform:rotate(180deg)}.saml-products-wrapper-slide .b_overlay
.btn.rounded.disabled{opacity:0}.saml-products-wrapper-slide .b_overlay .btn.rounded: hover
```

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```
.bg{background:#eff4fa;opacity:1}.b_dark .saml-products-wrapper-slide .b_overlay .btn.rounded
.bg{background:#292827;box-shadow:0 6px 12px 0 rgba(0,0,0,.24)}.b_dark .saml-products-wrapper-slide
.b_overlay .btn.rounded
.vcac{background:url(data:image/svg+xml,%3Csvg%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%
22%20fill%3D%22none%22%20viewBox%3D%220%200%207%2012%22%3E%3Cpath%20fill%3D%22%
23ffffff%22%20d%3D%22M.6458.147A.5.5%200%200%201%201.353.1459I5.4845%205.465a.55.55%200
%200%201%200%20.7792L1.353%2011.855a.5.5%200%200%201-.7058-.7084I5.1646-5.1462L.647.8542A.
5.5%200%200%201%20.6458.147Z%22%2F%3E%3C%2Fsvg%3E) 0 0 no-repeat}.b_dark
.saml-products-wrapper-slide .b_overlay .btn.rounded:hover
.bg{background:#2d3135;opacity:1}.saml-products-grid{display:grid;grid-template-columns:repeat(auto-fill,
minmax(200px,1fr));gap:24px}.saml-product-card-container{position:relative;display:block}.saml-product-ca
rd-container.saml-revealed-card{animation:fadeInExpand .3s ease-out
forwards}.saml-products-wrapper.saml-expanded .saml-products-grid{height:auto}@keyframes
fadeInExpand{from{opacity:0;transform:translateY(-10px)}to{opacity:1;transform:translateY(0)}}.saml-prod
uct-card-hoverable-template{display:none}.saml-footer{position:relative;height:36px;display:flex;justify-cont
ent:center;align-items:center;margin-top:16px}.saml-footer
.saml-see-all-link.acf-button{z-index:1}.saml-footer
.saml-footer-divider{width:100%;height:1px;background-color:#ddd;transform:translateY(-50%)}.b_dark
.saml-footer .saml-footer-divider{background-color:#545250}.saml-footer
.footer-divider-container{position:absolute;height:36px;width:100%;display:flex;align-items:center}.saml-foo
ter .acf-button{position:relative}body>
-saml-product-card-hoverable-overlay{position:absolute;z-index:4;pointer-events:auto;opacity:0;overflow:visi
ble;transition:opacity .15s ease-in-out}body>
-saml-product-card-hoverable-overlay.saml-hoverable-visible{opacity:1}body>
-saml-product-card-hoverable-overlay
merce-ui-product-card-medium__target-link{min-height:100%}.saml-products-wrapper .saml-products-grid {
grid-template-columns: repeat(auto-fill, minmax(144px, 1fr));
}.acf-header-container{margin-bottom:16px}.acf-header-title{display:flex}.acf-header-title:visited,.acf-header
-title:hover{color:var(--acf-fore-neutral-primary)!important}.acf-title-text{overflow:hidden;text-overflow:ellip
sis;white-space:nowrap;font-size:20px;font-weight:700;line-height:26px;text-align:left;margin-right:3px;color
:var(--acf-fore-neutral-primary)!important}.acf-header-title.acf_title_blue:visited,.acf-header-title.acf_title_blu
e:hover,.acf_title_blue
.acf-title-text{color:var(--smtc-ctrl-link-foreground-brand-rest)!important}[background="alpha-white"]{backg
round-color:rgba(255,255,255,.8)}[background="rest-blue"]{background-color:#eff4fa}.b_dark
[background="alpha-white"]{background-color:rgba(38,38,38,.8)}.b_dark
[background="rest-blue"]{background-color:#292c33}
merce-ui-product-card-medium{display:flex;flex-direction:column;width:100%;max-width:360px;border-radi
us:var(--mai-smtc-corner-card-default)}
merce-ui-product-card-medium__target-link{display:flex;flex-direction:column;color:inherit;text-decoration:n
one}
merce-ui-product-card-medium__target-link:hover,
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merce-ui-product-card-medium__target-link:focus{text-decoration:none}
merce-ui-product-card-medium--hoverable{position:relative;padding:8px}
merce-ui-product-card-medium--hoverable::before{content:"";position:absolute;top:0;left:0;right:0;bottom:0;background-color:transparent;transform:scale(.93) translateZ(0);transform-origin:center;transition:transform .16s cubic-bezier(.4,0,.2,1),background-color 0s cubic-bezier(.4,0,.2,1) .16s;z-index:0;border-radius:var(--mai-smtc-corner-card-default);will-change:transform;background-color;backface-visibility:hidden}
merce-ui-product-card-medium--hoverable:active::before{transform:scale(1) translateZ(0);background-color:var(--bing-smtc-background-card-on-primary-alt-hover);box-shadow:0 4px 12px 1px rgba(0,0,0,.14);transition:transform .16s cubic-bezier(.4,0,.2,1),background-color 0s cubic-bezier(.4,0,.2,1)}
merce-ui-product-card-medium--hoverable:active::before{background-color:var(--bing-smtc-background-card-on-primary-alt-pressed)}
merce-ui-product-card-medium--hoverable>div{position:relative;z-index:1}
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__title{transform:translateZ(0);backface-visibility:hidden;transition-property:max-height;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:max-height;overflow:hidden;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale}
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__hashtags{transform:translateZ(0);backface-visibility:hidden;transition-property:max-height,opacity;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:max-height,opacity;overflow:hidden}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr,
merce-ui-product-card-medium--hoverable
merce-ui-image-wrapper,
merce-ui-product-card-medium--hoverable
merce-ui-image-wrapper__image-container
.cico{transform:translateZ(0);backface-visibility:hidden;transition-property:border-radius;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:border-radius;overflow:hidden;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale}
merce-ui-product-card-medium--hoverable
.cmuipcm-meta-data{transform:translateZ(0);transition-property:max-height,opacity;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);opacity:0;will-change:max-height,opacity;overflow:hidden}
merce-ui-product-card-medium--hoverable:active .cmuipcm-image-cntr--zoom .cico{transform:scale(1.1)}
merce-ui-product-card-medium--hoverable:active .cmuipcm-image-cntr,
merce-ui-product-card-medium--hoverable:active
merce-ui-image-wrapper,
merce-ui-product-card-medium--hoverable:active
merce-ui-image-wrapper__image-container
.cico{border-radius:var(--smtc-corner-ctrl-hover)}
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__hashtags{max-height:24px;opacity:1;margin-top:0}
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__title{max-height:66px;transform:translateZ(0)}
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one,
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable,

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

```

```

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

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content-neutral-tertiary)}.cmuipcm-price-row
.price-container[size="small"]{font:var(--bing-smtc-text-global-caption1-strong)}.cmuipcm-price-row__range
{display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-
price-row__cur-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-foregrou
nd-content-neutral-primary)}.cmuipcm-price-row:not(.cmuipcm-price-row--installment)
.cmuipcm-price-row__lw-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-status-su
ccess-tint-foreground)}.cmuipcm-price-row__og-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption2);line-height:20px;text-decoration:l
ine-through;color:var(--bing-smtc-foreground-content-neutral-tertiary)}.cmuipcm-free-shipping{font-size:12p
x;line-height:16px;color:#0f7b0f}
merce-ui-image-wrapper{display:inline-block;position:relative;overflow:hidden}
merce-ui-image-wrapper__slideshow-container:hover .b_overlay .btn.rounded.next,
merce-ui-image-wrapper__slideshow-container:hover .b_overlay .btn.rounded.prev{display:block}
merce-ui-image-wrapper__slideshow-container .b_overlay .btn.rounded.next{right:0;display:none}
merce-ui-image-wrapper__slideshow-container .b_overlay .btn.rounded.prev{left:0;display:none}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager{line-height:8px;margin-top:8px}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager .teraction>ul
li{width:4px;height:4px;color:#e0e0e0;background-color:#e0e0e0;border:unset;margin:0 2px 2px}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager .teraction>ul
li.active{width:10px;border-radius:99px;background-color:#707070;color:#707070}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager .teraction>ul
li:hover:not(.active){width:4px;height:4px;background-color:#707070;color:#707070;margin:0 2px
2px}.price-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:
flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;color:#242424;font-size:2
0px;line-height:22.4px;font-weight:600}.price-container[size="xx-small"]{font-size:12px;line-height:18px;fo
nt-weight:200}.price-container[size="x-small"]{font-size:14px;line-height:14px;font-weight:200}.price-contai
ner[size="small"]{font-size:16px;line-height:18px;font-weight:600}.price-container[size="medium"]{font-siz
e:20px;line-height:22.4px;font-weight:600}.price-container[size="large"]{font-size:24px;line-height:27.2px;f
ont-weight:600}.price-container[size="x-large"]{font-size:28px;line-height:27.3px;font-weight:600}.price-co
ntainer[color="neutral"],.price-container[discount-label-color="neutral"]
.price-container__discount-label{color:#242424}.price-container[color="accent-primary"],.price-container[dis
count-label-color="accent-primary"]
.price-container__discount-label{color:#128052}.price-container[color="accent-secondary"],.price-container[
discount-label-color="accent-secondary"]
.price-container__discount-label{color:#d63600}.price-container[color="subtle"],.price-container[discount-lab
el-color="subtle"]
.price-container__discount-label{color:#707070}.price-container[color="inverted"],.price-container[discount-l
abel-color="inverted"]

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```
.price-container__discount-label{color:#fff}.price-container[color="accent-brand"],.price-container[discount-label-color="accent-brand"]
.price-container__discount-label{color:#2169eb}.price-container[strikethrough]
.price-container__currency,.price-container[strikethrough]
.price-container__integer,.price-container[strikethrough]
.price-container__cents,.price-container[strikethrough]
.price-container__decimal{text-decoration:line-through}.price-container[show-raised-cents]
.price-container__currency,.price-container[show-raised-cents]
.price-container__cents{vertical-align:top}.price-container[show-raised-cents]
.price-container__currency{margin-right:.1em;font-size:60%;line-height:1;transform:translate(0,10%)}.price-container[show-raised-cents]
.price-container__cents{margin-left:.05em;font-size:60%;line-height:1;transform:translate(0,8%)}.price-container
.price-container__per-item-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;-webkit-box-align:end;-ms-flex-align:end;align-items:flex-end;color:#707070;padding-left:2px;column-gap:2px;font-weight:200}.price-container__discount-label{margin-left:.2em}.price-container[discount-label-position="top"]:not([size="small"]):not([size="x-small"]):not([size="xx-small"])
.price-container__discount-label{vertical-align:top;font-size:60%;line-height:1;transform:translate(0,.1em)}.price-container[discount-label-position="bottom"]
.price-container__discount-label{margin-left:.2em;font-size:100%}
merce-ui-price{display:block}
merce-ui-product-card-medium--hoverable
merce-ui-image-wrapper__slideshow-container,
merce-ui-product-card-medium--hoverable
acf-carousel-pbp{width:100%;height:100%}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr
acf-carousel-pbp{position:relative;padding-inline:unset;padding-block-start:unset}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr
acf-carousel-pbp
.acf-carousel-pbp__nav{position:absolute;bottom:var(--smtc-gap-between-content-x-small);padding-block:unset}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr
acf-carousel-pbp
.acf-carousel-pbp__nav>ol
li:nth-child(2){display:none}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr
acf-carousel-pbp
acf-button-overlay{display:none}
merce-ui-product-card-medium--hoverable
.cmuipcm-image-cntr
acf-carousel-pbp
.acf-carousel-pbp__item{overflow:hidden}acf-carousel-pbp{display:block;block-size:100%;position:relative}
acf-carousel-pbp,acf-carousel-pbp::before,acf-carousel-pbp::after,acf-carousel-pbp
*,acf-carousel-pbp
*::before,acf-carousel-pbp
*::after{box-sizing:border-box;margin:0;padding:0}acf-carousel-pbp[hidden],acf-carousel-pbp
*[hidden]{display:none}acf-carousel-pbp[data-visually-hidden],acf-carousel-pbp
*[data-visually-hidden]{block-size:1px;inline-size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0 0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}.acf-carousel-pbp__scroll-container{block-size:100%;overflow-x:auto;overflow-y:clip;scroll-snap-type:x
mandatory;scroll-behavior:smooth;-ms-overflow-style:none;scrollbar-width:none}.acf-carousel-pbp__scroll-container::-webkit-scrollbar{display:none}.acf-carousel-pbp__scroll-container:focus-visible{outline-width:2px;
```

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outline-style:solid;outline-color:var(--smtc-ctrl-focus-outer-stroke);outline-offset:2px}.acf-carousel-pbp__list{
block-size:100%;display:flex}.acf-carousel-pbp__list>*{min-inline-size:0;flex-shrink:0;flex-grow:0}.acf-carou
usel-pbp__list>*:not(li.acf-carousel-pbp__item){display:none!important}.acf-carousel-pbp__item{block-size:
100%;inline-size:100%;scroll-snap-align:center;scroll-snap-stop:always}.acf-carousel-pbp__item:first-of-type
{scroll-snap-align:start}.acf-carousel-pbp__item:last-of-type{scroll-snap-align:end}.acf-carousel-pbp__item>i
mg{display:block;block-size:100%;inline-size:auto;max-inline-size:100%;object-fit:cover;object-position:cent
er}.acf-carousel-pbp__play,.acf-carousel-pbp__pause{position:absolute;inset-block-start:var(--smtc-gap-betw
een-content-small);inset-inline-start:var(--smtc-gap-between-content-small)}.acf-carousel-pbp__play:has(butt
on[aria-disabled="true"]),.acf-carousel-pbp__pause:has(button[aria-disabled="true"]){block-size:1px;inline-si
ze:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0 0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}.acf-carousel-pbp__nav{inline-si
ze:max-content}.acf-carousel-pbp__nav>ol{display:grid;grid-auto-flow:column;align-items:stretch;gap:var(--
smtc-gap-between-content-x-small)}.acf-carousel-pbp__nav>ol>*{min-inline-size:0;max-inline-size:100%}acf
f-carousel-pbp[data-style="FullBleed"]
.acf-carousel-pbp__nav{position:absolute;inset-block-end:var(--smtc-gap-between-content-x-small);inset-inlin
e-start:50%;transform:translateX(-50%)}acf-carousel-pbp[data-style="FullBleed"][[data-single-item]
.acf-carousel-pbp__nav{display:none}[dir="rtl"]acf-carousel-pbp[data-style="FullBleed"]
.acf-carousel-pbp__nav{transform:translateX(50%)}acf-button-overlay{display:block;inline-size:fit-content;m
ax-inline-size:100%}acf-button-overlay,acf-button-overlay::before,acf-button-overlay::after,acf-button-overla
y
*,acf-button-overlay
*::before,acf-button-overlay
*::after{box-sizing:border-box;margin:0;padding:0}acf-button-overlay[hidden],acf-button-overlay
*[hidden]{display:none}acf-button-overlay[data-visually-hidden],acf-button-overlay
*[data-visually-hidden]{block-size:1px;inline-size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0
0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}.acf-button-overlay__btn{color:v
ar(--color);background-color:var(--background-color);border:1px
solid
var(--border-color);border-radius:var(--smtc-corner-circular);padding-block:var(--smtc-gap-between-content-x
x-small);padding-inline:var(--bing-smtc-padding-ctrl-xs-horizontal);display:grid;grid-auto-flow:column;align-
items:center;gap:var(--smtc-gap-between-content-xxx-small);cursor:pointer}.acf-button-overlay__btn>*{min-
inline-size:0;max-inline-size:100%}.acf-button-overlay__btn[aria-disabled="true"]{opacity:.3;cursor:not-allo
wed}.acf-button-overlay__btn:focus-visible{outline-width:2px;outline-style:solid;outline-color:var(--smtc-ctrl
-focus-outer-stroke);outline-offset:2px}.acf-button-overlay__label{white-space:nowrap;overflow:clip;text-ove
rflow:ellipsis;max-block-size:calc(1*1lh);padding-inline-end:var(--bing-smtc-padding-ctrl-xs-horizontal)}acf-
button-overlay[data-style="AlwaysDark"]{--color:var(--mai-smtc-foreground-ctrl-on-image-rest);--backgroun
d-color:var(--mai-smtc-background-ctrl-on-image-rest);--border-color:var(--smtc-stroke-ctrl-on-neutral-rest)}a
cf-button-overlay[data-style="AlwaysDark"]
.acf-button-overlay__btn:hover:not([aria-disabled="true"]){--color:var(--mai-smtc-foreground-ctrl-on-image-r
est);--background-color:var(--mai-smtc-background-ctrl-on-image-hover);--border-color:var(--smtc-stroke-ctrl
-on-neutral-rest)}acf-button-overlay[data-style="AlwaysDark"]
.acf-button-overlay__btn:active:not([aria-disabled="true"]){--color:var(--mai-smtc-foreground-ctrl-on-image-r
est);--background-color:var(--mai-smtc-background-ctrl-on-image-hover);--border-color:var(--smtc-stroke-ctrl

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-on-neutral-rest))acf-button-overlay[data-style="AlwaysDark"]
.acf-button-overlay__btn:active:not([aria-disabled="true"])
.acf-button-overlay__icon,acf-button-overlay[data-style="AlwaysDark"]
.acf-button-overlay__btn:active:not([aria-disabled="true"])
.acf-button-overlay__label{opacity:.6}acf-icon{display:block;inline-size:fit-content;max-inline-size:100%;pointer-events:none}acf-icon,acf-icon::before,acf-icon::after,acf-icon*,acf-icon*::before,acf-icon*::after{box-sizing:border-box;margin:0;padding:0}acf-icon[hidden],acf-icon*
[hidden]{display:none}acf-icon[data-visually-hidden],acf-icon
*[data-visually-hidden]{block-size:1px;inline-size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0 0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}.acf-icon__def{display:none}.acf
-icon__icon{display:block;inline-size:auto;color:inherit}[dir="rtl"]
.acf-icon__icon{transform:scaleX(-1)}@media(forced-colors:active){acf-icon{color:ButtonText!important}}a
cf-icon[data-size="L"]
.acf-icon__icon{block-size:20px}acf-button-icon{display:block;inline-size:fit-content;max-inline-size:100%}
acf-button-icon,acf-button-icon::before,acf-button-icon::after,acf-button-icon*,acf-button-icon
*::before,acf-button-icon
*::after{box-sizing:border-box;margin:0;padding:0}acf-button-icon[hidden],acf-button-icon
*[hidden]{display:none}acf-button-icon[data-visually-hidden],acf-button-icon
*[data-visually-hidden]{block-size:1px;inline-size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0 0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}.acf-button-icon__btn,,acf-button
-icon__link{color:var(--color)!important;background-color:var(--background-color);border:1px solid
var(--border-color);display:grid;place-content:center;cursor:pointer;text-decoration:none!important;inline-size
:max-content}.acf-button-icon__btn>*,acf-button-icon__link>*{min-inline-size:0;max-inline-size:100%}.acf
-button-icon__btn[aria-disabled="true"],acf-button-icon__link[aria-disabled="true"]{opacity:.3;cursor:not-all
owed}.acf-button-icon__btn:focus-visible,,acf-button-icon__link:focus-visible{outline-width:2px;outline-style
:solid;outline-color:var(--smtc-ctrl-focus-outer-stroke);outline-offset:2px}acf-button-icon[data-ghost]:not([dat
a-style="Overlay"]){--color:var(--bing-smtc-foreground-content-brand-rest);--background-color:transparent;--
border-color:transparent}acf-button-icon[data-size="Small"]
.acf-button-icon__btn,acf-button-icon[data-size="Small"]
.acf-button-icon__link{border-radius:var(--smtc-corner-ctrl-sm-rest);padding-block:var(--smtc-gap-between-c
ontent-xx-small);padding-inline:var(--bing-smtc-padding-ctrl-xs-horizontal)}acf-button-icon[data-style="Over
lay"]{--color:var(--mai-smtc-foreground-ctrl-on-image-rest);--background-color:var(--mai-smtc-background-c
trl-on-image-rest);--border-color:transparent}acf-button-icon[data-style="Overlay"]
.acf-button-icon__btn:hover:not([aria-disabled="true"]),acf-button-icon[data-style="Overlay"]
.acf-button-icon__link:hover:not([aria-disabled="true"]){--color:var(--mai-smtc-foreground-ctrl-on-image-rest
);--background-color:var(--mai-smtc-background-ctrl-on-image-rest);--border-color:transparent}acf-button-ic
on[data-style="Overlay"]
.acf-button-icon__btn:active:not([aria-disabled="true"]),acf-button-icon[data-style="Overlay"]
.acf-button-icon__link:active:not([aria-disabled="true"]){--color:var(--bing-smtc-foreground-ctrl-on-image-alt
-rest);--background-color:var(--mai-smtc-background-ctrl-on-image-rest);--border-color:transparent}acf-icon[

```

Inverter for monocrystalline silicon photovoltaic panels

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data-size="M"]
```

```
.acf-icon__icon{block-size:16px}acf-carousel-pbp-progress{block-size:100%;display:grid;place-content:center;
r;font:var(--bing-smtc-text-global-caption2)}acf-carousel-pbp-progress,acf-carousel-pbp-progress::before,acf-
carousel-pbp-progress::after,acf-carousel-pbp-progress
*,acf-carousel-pbp-progress
*::before,acf-carousel-pbp-progress
*::after{box-sizing:border-box;margin:0;padding:0}acf-carousel-pbp-progress[hidden],acf-carousel-pbp-progr
ess
*[hidden]{display:none}acf-carousel-pbp-progress[data-visually-hidden],acf-carousel-pbp-progress
*[data-visually-hidden]{block-size:1px;inline-size:1px;margin:unset;padding:unset;border:0;clip:rect(0 0 0
0);clip-path:inset(50%);overflow:clip;position:absolute;white-space:nowrap}acf-carousel-pbp-progress>*{mi
n-inline-size:0;max-inline-size:100%}acf-carousel-pbp[data-style="FullBleed"]
acf-carousel-pbp-progress{color:var(--mai-smtc-foreground-ctrl-on-image-rest);background-color:var(--mai-s
mtc-background-ctrl-on-image-rest);border-radius:var(--smtc-corner-ctrl-sm-rest);padding-inline:var(--smtc-g
ap-between-content-x-small)}.ratingv2.snrnt{display:-webkit-box;display:-webkit-flex;display:-moz-flex;displ
ay:-ms-flexbox;display:flex;flex-direction:row;gap:8px;align-items:center;color:#424242;line-height:22px;font
t-size:16px;position:relative;z-index:1}.ratingv2.snrnt.ratingHeader{gap:12px}.ratingv2.snrnt.ratingHeader
.rs-list{padding-bottom:0}.ratingv2.snrnt.ratingHeader
.rating-num{font-weight:400;font-size:56px;line-height:56px}.ratingv2.snrnt.ratingHeader
l{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;flex-direction:c
olumn;gap:2px}.ratingv2.snrnt.ratingHeader
.review-cnt{font-size:14px;font-weight:400;line-height:20px;color:#707070}.ratingv2.snrnt
.rs-list{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;gap:4px;
height:22px;align-items:center;padding-bottom:2px}.ratingv2.snrnt .rs-list .rating-st,.ratingv2.snrnt .rs-list
.rating-ste,.ratingv2.snrnt .rs-list .rating-sth{width:16px;height:16px;background-size:16px
16px}.ratingv2.snrnt .rating-num{font-weight:600}.ratingv2.snrnt .review-cnt,.ratingv2.snrnt
.divider{font-weight:400}.ratingv2.snrnt.medium-rt{gap:12px;line-height:22px;font-size:16px}.ratingv2.snrnt
t.medium-rt .rs-list{height:22px}.ratingv2.snrnt.medium-rt .rs-list .rating-st,.ratingv2.snrnt.medium-rt
.rs-list .rating-ste,.ratingv2.snrnt.medium-rt .rs-list .rating-sth{width:16px;height:16px;background-size:16px
16px}.ratingv2.snrnt.small-rt{gap:4px;line-height:16px;font-size:12px}.ratingv2.snrnt.small-rt
.rs-list{height:16px;padding-bottom:2px}.ratingv2.snrnt.small-rt .rs-list .rating-st,.ratingv2.snrnt.small-rt
.rs-list .rating-ste,.ratingv2.snrnt.small-rt .rs-list .rating-sth{width:12px;height:12px;background-size:12px
12px}.ratingv2.snrnt .rs-list
.rating-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%22
40%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3
A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264
492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%
2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.60
28%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.4
9785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.6
73C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%
202.08544Z%22%20fill%3D%22%23EAA300%22%2F%3E%0A%3C%2Fsvg%3E%0A)}}.ratingv2.snrnt
```

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.rs-list

```
.rating-st.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20height%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.23027%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%202.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.430528%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.194089%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%206.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.1324%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23616161%22%2F%3E%0D%0A%3C%2Fsvg%3E%0D%0A)}}.ratingv2.snrnt
.rs-list
```

```
.rs-list
```

[illegible]

.rs-list

.rating-ste{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%2240%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.6028%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.49785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.673C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%202.08544Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0A%3C%2Fsvg%3E%0A)}.ratingv2.snrnt

.rs-list

```
.rating-ste.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20heig
```

Inverter for monocrystalline silicon photovoltaic panels

ht%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.23027%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%202.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.430528%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.194089%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%206.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.1324%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0D%0A%3C%2Fsvg%3E%0D%0A)}}.ratingv2.snrnt

.rs-list

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Inverter for monocrystalline silicon photovoltaic panels

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Inverter for monocrystalline silicon photovoltaic panels

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Inverter for monocrystalline silicon photovoltaic panels

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Inverter for monocrystalline silicon photovoltaic panels

Monocrystalline panels are known for their high efficiency, often hitting 20-22% conversion rates. But without a central inverter, that energy stays as direct current (DC), which is useless for most homes or businesses.

Each type of solar panel has different characteristics, thus making certain panels better suited for different situations. Today, we will focus on the monocrystalline solar panels and look into its features and ...

Learn what a solar inverter is, how it works, how different types stack up, and how to choose which kind of inverter for your solar project.

This page explains what an inverter is and why it's important for solar energy generation.

A recent project in Arizona's Sonoran Desert deployed 500 kW string inverters across 2,000 monocrystalline panels, achieving a levelized cost of energy (LCOE) of \$0.028/kWh—one of the lowest rates recorded for ...

LONGi supplies its reliable, high-performance solar modules to 6 continents and 85 countries and regions to power the world toward a low carbon future. HIBC (Hybrid Interdigitated Back-Contact) refers to a high-low ...

An inverter can also convert this power to alternating current (AC). It is essential to understand that at the fundamental level, both monocrystalline solar panels and polycrystalline ones have similar working.

Photovoltaic solar panels are the most visible part of the solar energy system but connected to the panels is another critical component: the solar inverter. Solar inverters are responsible for converting DC current into ...

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