



The actual power of the power inverter

ELI5: True Power vs Apparent Power : r/explainlikeimfive Apparent power out will be bigger than real power, and the value depends on the power factor of the load. If the inverter is driving a load with a large inductance such as a motor then the How Power Inverter Generates Reactive Power Reactive PowerHow Power Inverter Generates Reactive PowerFrequently Asked QuestionsConclusionUnderstanding how a power inverter generates reactive power is crucial for optimizing the performance and stability of electrical systems. By managing the phase relationship between voltage and current, inverters can provide the necessary reactive power to support voltage regulation, maintain magnetic fields in inductive loads, and ensure the overaSee more on gz-supplies ol#b_results li.b_ad,ol#b_topw.b_results_eml li.b_ad,ol#b_topw li.b_ad{background-color:transparent;border-right:0;border-bottom:1px solid #ebebeb;margin-bottom:1px;padding-right:20px;padding-bottom:5px}ol#b_results li.b_adBottom,ol#b_topw.b_results_eml li.b_adBottom{border-top:1px solid #ebebeb;border-bottom:0;padding-bottom:0}ol#b_context li.b_ad,ol#b_rrat_cont li.b_ad{background-color:transparent}.sb_add cite{text-transform:lowercase}#b_results .b_ad .sb_adTA .b_caption,#b_topw.b_results_eml .b_ad .sb_adTA .b_caption,#b_results .b_ad .sb_adTA .b_vlist2col li,#b_topw.b_results_eml .b_ad .sb_adTA .b_vlist2col li,#b_results .b_ad .sb_adTA .b_factrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_factrow,#b_results .b_ad .sb_adTA .b_bcfactrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_bcfactrow,#b_topw .b_ad .sb_adTA .b_caption,#b_topw .b_ad .sb_adTA .b_vlist2col li,#b_topw .b_ad .sb_adTA .b_factrow,#b_topw .b_ad .sb_adTA .b_bcfactrow{padding-bottom:var(--smtc-gap-between-content-xx-small)}#b_results .b_ad .sb_adTA .b_vlist2col,#b_topw.b_results_eml .b_ad .sb_adTA .b_vlist2col,#b_results .b_ad .sb_adTA .b_factrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_factrow,#b_results .b_ad .sb_adTA .b_bcfactrow,#b_topw.b_results_eml .b_ad .sb_adTA .b_bcfactrow,#b_results .b_ad .sb_adig,#b_topw.b_results_eml .b_ad .sb_adig,#b_topw .b_ad .sb_adTA .b_vlist2col,#b_topw .b_ad .sb_adTA .b_factrow,#b_topw .b_ad .sb_adTA .b_bcfactrow,#b_topw .b_ad .sb_adig{margin-top:0}#b_results .b_ad h3.b_adlabel,#b_topw.b_results_eml .b_ad h3.b_adlabel,#b_topw .b_ad h3.b_adlabel{margin-bottom:var(--smtc-gap-between-content-xx-small)}.b_ad .pa_mlo~.sb_ad{margin-bottom:-6px}.b_ad_description{font:var(--bing-smtc-text-global-body3);color:var(--bing-ads-smtc-desktop-foreground-snippet-default)}.b_saContainer{margin:0 -20px -8px -20px;padding:0 19px 19px 19px;overflow:hidden}.b_ad li.b_adLastChild.b_saContainer{margin-bottom:4px}.b_saContainer .pa_item,.b_saContainer .b_adSlug{background-color:#fff}.b_saContainer .b_adSlugRow{float:right;padding:4px 0}.b_saContainer .pa_carousel{clear:both}#ShoppingAnswerMALGFilterContainer{border-radius:15px}#ShoppingAnswerMALGFilterContainer .b_widgetGrad{display:none}#b_results .sb_add h2:hover a,#b_topw.b_results_eml .sb_add h2:hover a{text-decoration:underline}#b_results .sb_add h2:hover,#b_topw.b_results_eml .sb_add h2:hover{cursor:pointer}.b_adli.b_adLastChild{margin-bottom:0}#b_results>li.b_ad{background-color:#fcfaf9}#b_topw.b_results_eml>li.b_ad{background-color:#fcfaf9}



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#b_context>li.b_ad{background-color:#fcfaf9} .b_dark #b_results>li.b_ad{background-color:inherit} .b_dark #b_topw.b_results_eml>li.b_ad{background-color:inherit}.pa_item .pa_img.white_bg,.pa_hover .pa_hover_img.white_bg{background-color:#f5f5f5}@media(forced-colors:none){.pa_item .pa_img.white_bg img,.pa_hover .pa_hover_img.white_bg img{mix-blend-mode:multiply}}#b_content .pa_carousel_mlo .b_slidebar .slide.see_more{width:85px!important;margin-right:0!important}#b_content .pa_carousel_mlo .see_more.carousel_seemore img.seeAll_chev.rms_img{opacity:0;padding-bottom:var(--smtc-gap-between-content-xx-small)}#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink{position:relative;text-decoration-color:var(--AC_ThemeFore1)}#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink::before{content:"";position:absolute; width:48px;height:48px;top:var(--smtc-gap-between-content-medium);left:50%;-webkit-transform:translate(-50%,0);-moz-transform:translate(-50%,0);-ms-transform:translate(-50%,0);-o-transform:translate(-50%,0);transform:translate(-50%,0);background-color:var(--AC_ThemeBack3);border-radius:10px;opacity:0;-webkit-transition:opacity .1s ease;-moz-transition:opacity .1s ease;-ms-transition:opacity .1s ease;-o-transition:opacity .1s ease;transition:opacity .1s ease}#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink: hover::before,#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink: focus::before,#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink: active::before{opacity:1}#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink::after{content:"";position:absolute; width:13px;height:13px;bottom:var(--smtc-padding-content-xx-large);left:50%;border-style:solid;border-width:3px 3px 0 0;border-color:var(--AC_ThemeFore1);-webkit-transform:translate(-75%,-50%) rotate(45deg);-moz-transform:translate(-75%,-50%) rotate(45deg);-ms-transform:translate(-75%,-50%) rotate(45deg);-o-transform:translate(-75%,-50%) rotate(45deg);transform:translate(-75%,-50%) rotate(45deg);border-radius:2px}#b_content .pa_carousel_mlo .see_more .carousel_seemore a.b_moreLink .seeAll_txt{color:var(--AC_ThemeFore1);font:var(--bing-smtc-text-global-body3-strong)}.pa_carousel .b_slideexp{margin-bottom:0}.pa_carousel .b_slideexp .btn{z-index:8}.pa_carousel_mlo{margin:0 calc(-1*var(--mai-smtc-padding-card-default));padding-bottom:var(--smtc-gap-between-content-xx-small)}.narrpole .pa_carousel_ml{padding-right:20px}.pa_carousel_mlo.expanded .pa_carousel_ml{padding-right:var(--smtc-gap-between-content-xx-large)}.pa_carousel_ml .slide{border-collapse:separate}.pa_carousel_ml .slide.anim{visibility:hidden;animation:slideInFromLeft .05s cubic-bezier(.3,.5,.1,1) .3s 1 normal forwards}@-webkit-keyframes slideInFromLeft{0%{visibility:visible;transform:translateX(100%)}100%{visibility:visible;transform:translateX(0)}}@keyframes slideInFromLeft{0%{visibility:visible;transform:translateX(100%)}100%{visibility:visible;transform:translateX(0)}}.pa_carousel_ml .slide:focus-visible{text-decoration:underline}li .pa_mlo{padding-bottom:0}#b_content ol#b_results li.b_ad,#b_content ol#b_topw.b_results_eml li.b_ad{border-bottom:0}.b_adPATitle{text-overflow:ellipsis;overflow:hidden;white-space:nowrap}
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;padding-right:var(--smtc-gap-between-content-medium);height:26px;font:var(--bing-smtc-text-gl
obal-subtitle1-strong);color:var(--smtc-foreground-content-neutral-primary)!important;padding-bo
ttom:var(--smtc-padding-ctrl-sm-text-bottom)}.b_adPATitleBlock{padding-bottom:var(--smtc-gap-
between-content-small)}.b_adPATitleBlock .b_floatR{margin-left:var(--mai-smtc-padding-card-
default)}.b_adPATitle a:focus-visible{margin-left:var(--smtc-padding-ctrl-text-side);text-
decoration:underline}.b_adPATitle a{font:var(--bing-smtc-text-global-subtitle1-strong)!important;
color:var(--smtc-foreground-content-neutral-primary)!important;vertical-align:text-
bottom}.pa_carousel_ml .b_adPATitleBlock{padding-left:var(--mai-smtc-padding-card-default)}.
b_adPATitle_chevron{display:inline-flex;padding:var(--smtc-gap-inside-ctrl-to-secondary-
icon)}#b_content .b_adPATitle_blue,#b_content .b_adPATitle_blue a{color:var(--smtc-ctrl-link-
foreground-brand-rest)!important}#b_content .b_adPA_subtitle{font:var(--bing-smtc-text-global-
body3)}.sb_adTA .b_adSlug{font:var(--bing-smtc-text-global-caption2);line-height:var(--bing-ads-
smtc-ad-slug-line-height);border-radius:var(--bing-ads-smtc-ad-slug-corner);display:inline-block}
.b_adSlug{font-size:11px;font-weight:normal;line-height:11px;border-radius:6px;display:inline-
block}.b_adSlug{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default);border:1px solid
var(--bing-ads-smtc-ad-slug-stroke);vertical-align:middle}.sb_adTA .b_adSlug,.ba_results
.b_adSlug{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default);border:1px solid
var(--bing-ads-smtc-ad-slug-stroke)}#b_context>li.b_ad .sb_adBrandSidebar.sb_adTA
.b_adSlug>a,#b_rrat_cont>li.b_ad .sb_adBrandSidebar.sb_adTA .b_adSlug>a{color:var(--bing-
ads-smtc-desktop-foreground-ad-slug-default)}.b_adSlug{padding:0 var(--smtc-gap-between-
content-xxx-small) 0 var(--smtc-gap-between-content-xxx-small)}.b_adSlug{margin-
right:var(--smtc-gap-between-content-xx-small)}.sb_adTA .b_adSlug,.ba_results .b_adSlug{margi
n-right:var(--smtc-padding-ctrl-text-side)}z{a:1}z{a:1}z{a:1}.b_adChoice{position:relative;width
:12px;height:12px;text-indent:0;overflow:hidden;direction:ltr;transform:none;float:right}.b_adCho
iceInline{display:inline-block}.b_adChoice::after{transform-origin:-320px
0;transform:scale(.5);position:relative;display:inline-block}.b_adSlugRow
.b_adChoice{float:none;vertical-align:-1px;display:inline-block}.pa_sbo+a .b_adChoice{margin-
top:8px}.b_adPATitleBlock bubble_lite bubble_item,.b_adSlugRow bubble_lite
bubble_item,.b_spa_adblock bubble_lite bubble_item,.b_magazine bubble_lite
bubble_item,.ra_car_container bubble_lite bubble_item,.b_adinfo{display:inline-block!important}
}.b_adinfo{cursor:pointer;vertical-align:middle;line-
height:0}.b_adChoice::after{content:url(/rp/EX_mgILPdYtFnI-37m1pZn5YKII.png)}.emb_ppa
.listad{position:relative}.emb_ppa .b_adinfo bubble_item{height:12px}.emb_ppa lcard
.lc_content .b_factrow .b_slgw{position:absolute;top:6px;left:8px;display:flex;align-
items:center;border:1px solid #ececec;border-radius:6px;background-color:#fff;justify-
content:center;height:20px;width:71px}div.b_adSlug, lcard .lc_content .b_factrow
div.b_embPPASlug.b_adSlug,#lMapContainer .b_aswta .vertcard .lc_content div.b_factrow
div.b_adSlug,div.gs_VA_slgw .b_adSlug.b_opttxt.b_divdef,.genserp_PA_container
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.genserp_PA_title div.genserp_PA_adslug span.genserp_adSlug,.gs_embedded_label_container,.e
mbedded_msan_ad_slug{border:0;margin-right:0}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_title,#b_content .pa_carousel_mlo .pa_item.pa_vCard
.pa_caption,#b_content .pa_carousel_mlo .pa_item.pa_vCard .b_finalText,#b_content .pa_carousel
.pa_item.pa_vCard .pa_title,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption,#b_content
.pa_carousel .pa_item.pa_vCard .b_finalText,#b_content .pa_grid .pa_item.pa_vCard
.pa_title,#b_content .pa_grid .pa_item.pa_vCard .pa_caption,#b_content .pa_grid
.pa_item.pa_vCard .b_finalText{padding:0 var(--smtc-padding-ctrl-horizontal-default)}#b_content
.pa_carousel_mlo .pa_item.pa_vCard .cico,#b_content .pa_carousel .pa_item.pa_vCard
.cico,#b_content .pa_grid .pa_item.pa_vCard .cico{margin-bottom:var(--smtc-gap-between-
content-small)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_title,#b_content .pa_carousel
.pa_item.pa_vCard .pa_title,#b_content .pa_grid .pa_item.pa_vCard .pa_title{font:var(--bing-smtc-
text-global-body3);color:var(--smtc-ctrl-link-foreground-brand-rest)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption,#b_content .pa_carousel .pa_item.pa_vCard
.pa_caption,#b_content .pa_grid .pa_item.pa_vCard .pa_caption{margin-top:var(--smtc-gap-betwe
en-content-x-small);padding-bottom:var(--smtc-gap-between-content-x-small);font:var(--bing-
smtc-text-global-caption1)!important}#b_content .pa_carousel_mlo .pa_item.pa_vCard
.pa_caption .pa_price,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_price,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_price{margin-bottom:var(--smtc-
gap-between-content-xx-small)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_price .prc_clr_grn,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .pa_price
.prc_clr_grn,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_price
.prc_clr_grn{color:var(--smtc-status-success-tint-foreground)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .pa_price strong,#b_content .pa_carousel .pa_item.pa_vCard
.pa_caption .pa_price strong,#b_content .pa_grid .pa_item.pa_vCard .pa_caption .pa_price
strong{color:var(--smtc-foreground-content-neutral-primary)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .pa_price .original_price,#b_content .pa_carousel
.pa_item.pa_vCard .pa_caption .pa_price .original_price,#b_content .pa_grid .pa_item.pa_vCard
.pa_caption .pa_price .original_price{font:var(--bing-smtc-text-global-caption1);padding-
left:var(--smtc-gap-between-content-x-small)}#b_content .pa_carousel_mlo .pa_item.pa_vCard
.pa_caption .pa_installmentDesc,#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.pa_shippingcost,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_installmentDesc,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_unitprice,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.vertical_converted_price,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.pa_shippingcost,#b_content .pa_grid .pa_item.pa_vCard .pa_caption
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.pa_installmentDesc,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .pa_unitprice,#b_context
.pa_grid .pa_item.pa_vCard .pa_caption .vertical_converted_price,#b_context .pa_grid
.pa_item.pa_vCard .pa_caption .pa_shippingcost{font:var(--bing-smtc-text-global-caption1);margin-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.b_attribution,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .b_attribution,#b_context
.pa_grid .pa_item.pa_vCard .pa_caption .b_attribution{margin-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);border-bottom:0;font:var(--bing-smtc-text-global-caption1)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .b_attribution cite,#b_content .pa_carousel .pa_item.pa_vCard
.pa_caption .b_attribution cite,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_attribution cite{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);opacity:unset}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption
.b_secondaryText,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption
.b_secondaryText,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption .b_secondaryText
.pa_rebateText,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .b_secondaryText
.pa_rebateText,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rebateText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo .pa_item.pa_vCard .pa_caption .b_secondaryText
.pa_promo a,#b_content .pa_carousel .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_promo a,#b_context .pa_grid .pa_item.pa_vCard .pa_caption .b_secondaryText .pa_promo a{color:var(--smtc-ctrl-link-foreground-brand-rest)}#b_content .pa_carousel_mlo
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating a,#b_content .pa_carousel
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating a,#b_context .pa_grid
.pa_item.pa_vCard .pa_caption .b_secondaryText .pa_rating a{color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}#b_content .pa_carousel_mlo .b_overlay .btn
.cr{height:24px;width:20px;padding:var(--smtc-padding-ctrl-lg-text-top) var(--smtc-padding-ctrl-sm-horizontal-default);background-color:var(--bing-smtc-foreground-ctrl-on-image-switchable-rest);border-radius:var(--smtc-corner-ctrl-lg-rest);box-shadow:var(--acf-elevation-3)}#b_content
.pa_carousel_mlo .b_overlay .btn .cr>div{width:8px;height:8px;background-color:transparent;border-color:var(--smtc-foreground-content-neutral-primary);border-style:solid;border-width:2px 2px 0 0;transform:rotate(45deg);border-radius:0;top:var(--smtc-padding-ctrl-text-top);left:var(--smtc-padding-ctrl-sm-text-top);position:relative;box-shadow:none;margin:0}#b_content
.pa_carousel_mlo .b_overlay .btn .cr>div::after{content:""}#b_content .pa_carousel_mlo
.b_overlay .btn.next{margin-right:6px}#b_content .pa_carousel_mlo .b_slideexp .b_hoverFading{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0))}
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0%,var(--smtc-background-card-on-primary-default-rest) 60%);right:0}#b_content
.pa_carousel_mlo .b_slidesContainer{width:100%}html[dir="rtl"] #b_content .pa_carousel_mlo
.b_overlay .btn .cr>div{transform:rotate(135deg);left:calc(-1*var(--smtc-padding-ctrl-sm-text-
top))}html[dir="rtl"] #b_content .pa_carousel_mlo .b_slideexp .b_hoverFading{background:linear-
gradient(270deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-
background-card-on-primary-default-rest) 60%)}#b_content .pa_carousel_mlo .slide,#b_content
.pa_carousel .slide,#b_context .pa_grid .pa_item{border-radius:var(--smtc-corner-card-
rest)!important}#b_pole .pa_carousel_mlo{margin-right:0}.pa_item.pa_vCard{word-wrap:break-
word;line-height:20px;overflow:hidden}.pa_item.pa_vCard p strong,.pa_item.pa_vCard .pa_price
strong{color:#111}.pa_item.pa_vCard .pa_deal{text-decoration:line-through}#b_content
.pa_item.pa_vCard .b_attribution{font-size:14px;padding-bottom:0;line-height:20px}#b_context
.pa_item.pa_vCard p,#b_rrat_cont .pa_item.pa_vCard p{line-height:20px}#b_content
.pa_item.pa_vCard .pa_title{line-height:20px;overflow:hidden}.pa_item.pa_vCard
.b_footnote{line-height:17px;padding-bottom:0}.pa_item.pa_vCard .pa_caption{padding-
bottom:8px}.pa_item.pa_vCard .pa_caption,.pa_item.pa_vCard .pa_title{padding-left:4px;padding-
right:4px}.pa_item.pa_vCard .b_finalText{position:absolute;width:100%;box-sizing:border-
box;left:0;padding:0 4px 0 4px;bottom:8px}.pa_item.pa_vCard .cico{display:block;padding-botto-
m:0;margin-bottom:8px;margin-left:auto;margin-right:auto;border-radius:0}.pa_item.pa_vCard
.pa_img{position:relative}.pa_item.pa_vCard .pa_price: hover,.pa_item.pa_vCard
.b_attribution: hover,.pa_item.pa_vCard .b_footnote: hover{cursor:pointer}.pa_carousel .slide{box-
shadow:0 0 0 1px rgba(0,0,0,.1)!important}.pa_carousel .slide.see_more{box-shadow:0 0 0 0
rgba(0,0,0,0)!important}.pa_caption .pa_price: hover strong,.pa_hover .pa_hover_content
.pa_price: hover strong{text-decoration:underline;text-decoration-color:#111}.pa_caption
.b_attribution: hover,.pa_hover .pa_hover_content .b_attribution: hover{text-
decoration:underline}.pa_caption>.b_secondaryText: hover,.pa_hover .pa_hover_content>.b_secon-
daryText: hover{color:#444}.b_ads1line{white-space:nowrap;overflow:hidden;text-
overflow:ellipsis;display:block}.pa_item .b_attribution cite,#b_context .pa_item .b_attribution
cite,.pa_hover .b_attribution cite,.pa_item .b_footnote .pa_url cite,#b_rrat_cont .pa_item
.b_attribution cite{color:#111;opacity:.8}#bpage.b_drk .pa_item .b_footnote .pa_url cite{color:#d
2d0ce}.pa_item.pa_vCard{cursor:pointer}@supports(-webkit-line-clamp:2){.b_adsTrunTx{displa-
y:-webkit-box;overflow:hidden;-webkit-box-orient:vertical;white-
space:normal;visibility:visible}.b_ellipsis{display:none}.b_adsTrunTx .b_hiddenTx{display:inline
}}.b_hiddenTx{display:none}.pa_item.pa_vCard,.pa_item.pa_hCard{position:relative}.pa_hover{
z-index:4}.pa_carousel .b_overlay .btn{z-index:5!important}.pa_item.pa_vCard
.pa_newtab_icon{display:none}.pa_item.pa_vCard .pa_newtab_icon,.pa_item.pa_hCard: hover
.pa_newtab_icon,.pa_hover .pa_newtab_icon{position:absolute;background-
color:rgba(0,0,0,.35);background-size:10px 10px;background-position:4px 4px;background-repeat
:no-repeat;border-radius:var(--smtc-corner-circular);height:18px;width:18px;z-
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index:1}.pa_item.pa_vCard .pa_newtab_icon,.pa_hover
.pa_newtab_icon{right:4px;top:4px}.pa_item.pa_hCard:hover
.pa_newtab_icon{left:110px;top:8px}.pa_item.pa_vCard
.pa_newtab_icon,.pa_item.pa_hCard:hover .pa_newtab_icon,.pa_hover .pa_newtab_icon{background-image:url(')}.b_secondaryText
.pa_targ{line-height:20px}.pa_ml .pa_targ img.pa_targImage,.pa_sb .pa_targ
img.pa_targImage{float:left;margin:2px 2px 0 0}.pa_targ .pa_tgt_icon{display:inline-block;margin:3px 2px 0 0;width:12px;height:12px}.pa_targ .pa_shipping_icon{background-image:url('')} .b_dark .pa_targ .pa_shipping_icon{background-image:url('')} .pa_targ .pa_pricedrop_icon{background-image:url('')} .b_dark .pa_targ .pa_pricedrop_icon{background-image:url('
```



The actual power of the power inverter

```
ohNQkmifn4Sihvrkay1jg4fivUtutCDZ+xS9rwRsT8AAAAASUVORK5CYII=')).pa_targ .pa_topv
iew_icon{background-image:url('
AwAAAAMCAYAAABWdVznAAAACXBIWXMAAA7DAAAOwwHHb6hkAAAAGXRFWH
RTb2Z0d2FyZQB3d3cuaW5rc2NhcgUub3Jnm+48GgAAATRJREFUKJG1kb9KQmEcht/fpyK2
2FQkFA0NQVptEVTSDbQ5tLR1hurwSRLR5g2o8H0idO6ipJuItv6NDIEkhdEUBzy/t6UhoSWiZ
3uHZ3le4L+R78NaOwNgS1VnAUBEeul0+rzZbD6MCEEQjOVyuSbJXQDXAG5FREguACiKy
KkxptZqtT5MvV5PZ7PZC5LrqrinFtW1SMRqTnnlkiuktMkqRbqVRSZjAYnIjIXCaTKbfb7asw
DCNjzKOqPllrO977S5IbAOYLhcKxEZEDknuNRuM1DMOyiGynUqmiki6S3LHWrrnnvXwDskz
w0cRyXvPddADDGTAAY5PP5+36/fwfgDcAkADjnzobDYXGkUrVaHVfVGwA9AibkdBzHpSi
K3n/M+iVNqWpAkkmsRJ1O5/mv3/2OT2YVjsqITb0WAAAAAEIftkSuQmCC')).b_dark
.pa_targ .pa_topview_icon{background-image:url('
NSUheUgAAAAwAAAAMCAYAAABWdVznAAAACXBIWXMAAAAsTAAALEwEAmpwYAA
AAAAXNSR0IArs4c6QAAAAARnQU1BAACxjwv8YQUAAADrSURBVHgBxZDNDYJAEIV3l
5BwtAOxAYBAwk0rUCswVqAt2IEdaAdqBeqJhF870BI48+t7iRouHo2TvOxk5ps3A0L8OuQ7yf
N8UNf1Wim16LrOfJVvVFVvmyAIHp+BKIosgOcXcETOv2BwBK2QDtq2nfu+f1NwNgllKbe
u6040TTsBmlFlWV5Qs9HbkwnD0JRjktD5gcaSw3A6A+b6ArJgYCOKNE13PFVxNW/k2zSNh
aLgJmgOZ9am7GEDmUL2/0Acx2NABxjYhmEQzgHOHMe5vhnVH/A878J7dV2/A74jP/bhr8Fv
ybJsKP4ST5cvd6Jdk9MJAAAAAEIftkSuQmCC')).pa_targ .pa_condition_icon{background-ima
ge:url('
dVznAAAACXBIWXMAAA7DAAAOwwHHb6hkAAAAGXRFWHRTb2Z0d2FyZQB3d3cuaW5rc2NhcgUub3Jnm+48GgAAARpJREFUKJF1jzFKA1EQhr+ZtwewsRDFC3gCSSFY6BUCSTz
Bew+jKa0FQRd2wzZ2FjaidjZBEMTGsq8QvIPd27EwK5vFTDfzz//PflCiYowfIYS97lxXGUQk
qOqd936/Pc8AxuPxZkopBw6ANQAz+01UvQU2/gwhhK2U0ruIVM65SZ7nXwDe+55z7rGu69H
ixVcRGWbApYhURVGcL/2qeg0Mp9Pp8+LiE3CVichhSumky1CW5U67TyndZFl2pgvAlfBNOe
cSIARmgEEjeO97McbPrkFVj4BZZmanInIPXDSgwLBZDCGsi8jIzCaquivtlBjjHNjuhH+b2ayu6+
OqquZZWxGRAfBgZv2yLF/+Y1mCLYrizcz6QLUK/gcay2Kj1EE/gwAAAABJRu5ErkJggg==')
}.b_dark .pa_targ .pa_condition_icon{background-image:url('
GgoAAAANSUheUgAAAAwAAAAOCAYAAAAAbvf3sAAAACXBIWXMAAAAsTAAALEwEA
mpwYAAAAAXNSR0IArs4c6QAAAAARnQU1BAACxjwv8YQUAAADwSURBVHgBrVHbD
YJAEOR4/GMH2IEXCAlI2IFUoCVoBcYKKEE70D8SAjk6kBL85+VMAgYukS82gWV3Z4e5
OcNYK/I8V1mW7fS++W+h67rYNM27vmTzpZTy2rZN8MmhO2PEEtL2Vw9gJYR4WZa1DYJ
A8MEfJHoV8n6Q+EzT1LMBvqI++75/05gTzPZhGJasSeg4TiKw2YN5I6X8GAsBJS4I3jz0IIAlI
wsldB7Hdl2hpTqyaZoD0sOGnHhw6EIw6ju1T6UAFmIZjnVdSzFlKYri3fe9p5FTcglwHEVRZU
8nZKbvtHJ0R4/ZTRNEMC011oovCux/EdBOneMAAAAAASUVORK5CYII=')).pa_targ
.rms_img,.pa_targ_text{vertical-align:top}.pa_hov_border .pa_targ_longtext{font-size:12px;line-h
eight:14px}.pa_hover{background-color:var(--smtc-background-web-page-primary);box-shadow:
none;position:absolute;opacity:0;visibility:hidden;word-wrap:break-
word;cursor:pointer;overflow:hidden;z-index:4:pointer-events:none}.pa_hover
```



The actual power of the power inverter

```
.pa_hover_content{padding-bottom:var(--smtc-gap-between-content-x-small)}.pa_hover
.pa_hover_title,.pa_hover .pa_price,.pa_hover .b_attribution,.pa_hover
.b_secondaryText,.pa_hover .pa_additionTx,.pa_hover>div>.b_ads1line,.pa_hover
.b_footnote,.pa_hover .pa_hover_content>.pa_locInv{padding-left:var(--smtc-padding-ctrl-
horizontal-default);padding-right:var(--smtc-padding-ctrl-horizontal-default)}.pa_hover
.pa_hover_img{position:relative}.pa_hover .pa_hover_img img{display:block;margin-
left:auto;margin-right:auto}.pa_hover .pa_hover_title{font:var(--bing-smtc-text-global-body3)!im
portant;color:var(--smtc-ctrl-link-foreground-brand-rest);margin-bottom:var(--smtc-gap-between-
content-x-small)}.pa_hover .pa_hover_title: hover{text-decoration:underline}.pa_hover
.pa_price{margin-bottom:var(--smtc-gap-between-content-xx-small)}.pa_hover .pa_price
.prc_clr_grn{color:var(--smtc-status-success-tint-foreground)}.pa_hover .pa_price strong{color:va
r(--smtc-foreground-content-neutral-primary);font:var(--bing-smtc-text-global-
caption1-strong)}.pa_hover .pa_price .original_price{font:var(--bing-smtc-text-global-
caption1);padding-left:var(--smtc-gap-between-content-x-small)}.pa_hover
.pa_installmentDesc,.pa_hover .pa_unitprice,.pa_hover .vertical_converted_price,.pa_hover .pa_sh
ippingcost{font:var(--bing-smtc-text-global-caption1);margin-bottom:var(--smtc-gap-between-con
tent-xx-small);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);padding-
bottom:0}.pa_hover .b_attribution{margin-bottom:var(--smtc-gap-between-content-xx-small);colo
r:var(--bing-smtc-foreground-content-neutral-secondary-alt);border-bottom:0;font:var(--bing-smtc-
text-global-caption1)}.pa_hover .b_attribution cite{font:var(--bing-smtc-text-global-caption1);colo
r:var(--bing-smtc-foreground-content-neutral-secondary-alt);opacity:unset}.pa_hover
.pa_bcSeparator{margin:var(--smtc-gap-between-content-xx-small) 0;border-top:1px solid
#ecec}.pa_hover .b_secondaryText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-
smtc-foreground-content-neutral-secondary-alt)}.pa_hover .b_secondaryText .pa_rebateText{font:
var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-
alt)}.pa_hover .b_secondaryText .pa_promo a{color:var(--smtc-ctrl-link-foreground-brand-
rest)}.pa_hover .b_secondaryText .pa_rating a{color:var(--bing-smtc-foreground-content-neutral-
secondary-alt)}.pa_hover .b_secondaryText .b_colorBlend{color:var(--bing-smtc-foreground-
content-neutral-secondary-alt)!important}.pa_hover .pa_additionTx,.pa_hover .pa_locInv{font:var
(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt
)}a.pa_hover_adLink: hover{text-decoration:none}.pa_hover:has(.pa_hover_content.pa_hcgp){bor
der-radius:var(--smtc-corner-card-rest)}.pa_hover.ad_scpah.pa_animation{background-color:var(-
-smtc-background-card-on-primary-default-hover);box-shadow:var(--acf-elevation-3);pointer-even
ts:auto}.pa_item.pa_vCard>a: hover{text-
decoration:none}.pa_hover: not(:has(.b_pa_hov_indicator_c)) .pa_hover_img img{margin-bottom:
var(--smtc-gap-between-content-small)}.pa_hover.ad_scpah.pa_animation{transition:height
var(--acf-animation-duration-default) var(--acf-animation-ease-default),background-color var(--acf-
animation-duration-default) var(--acf-animation-ease-default),box-shadow var(--acf-animation-
```



The actual power of the power inverter

```
duration-default)          var(--acf-animation-ease-default)}.pa_rating{white-space:nowrap;text-overflow:ellipsis;min-height:17px}#b_results .pa_item
.pa_ratingsmaller>span,#b_topw.b_results_eml .pa_item
.pa_ratingsmaller>span{transform:translateZ(0)}#b_results .pa_item .pa_ratingsmaller
.sw_st,#b_results .pa_item .pa_ratingsmaller .sw_sth,#b_results .pa_item .pa_ratingsmaller
.sw_ste,#b_topw.b_results_eml .pa_item .pa_ratingsmaller .sw_st,#b_topw.b_results_eml .pa_item
.pa_ratingsmaller .sw_sth,#b_topw.b_results_eml .pa_item .pa_ratingsmaller
.sw_ste{transform:scale(calc(10/12));margin:-1px -2px -1px -1px}.pa_hover .pa_rating
.rms_img{display:inline-block;margin-bottom:0;margin-left:0;margin-right:0}#b_content .b_ad
.b_secondaryText .b_colorBlend{color:#71777d}#b_results>.b_ad
.b_colorBlend,#b_topw.b_results_eml>.b_ad .b_colorBlend{color:#71777d}#b_results>.b_ad
.b_accentColor,#b_context>.b_ad .b_accentColor,#b_rrat_cont>.b_ad
.b_accentColor,#b_topw.b_results_eml>.b_ad .b_accentColor{color:#71777d}#b_context>.b_ad
.b_colorBlend,#b_rrat_cont>.b_ad .b_colorBlend{color:#71777d}#b_dynRail>.b_ad
.b_colorBlend{color:#71777d}.pa_hover .b_secondaryText
.b_colorBlend{color:#71777d}#b_pole .pa_carousel .b_secondaryText
.b_colorBlend{color:#71777d}.b_ad .csrc,.pa_item .csrc{padding-right:0}.csrc
.sw_rtc{color:#d32f2f;font-weight:bold;font-family:'Segoe UI',Arial,Helvetica,Sans-Serif}.b_dark .csrc .sw_rtc{color:#f66}.csrc .sw_rtright{padding-left:5px}.csrc
.sw_rtleft{padding-right:5px}.csrc .nobg{background-image:none}.csrc .rms_st{padding-right:1px;vertical-align:inherit;max-height:14px;max-width:14px}.b_slideexp
.b_hoverFading{background:linear-gradient(90deg,rgba(255,255,255,.4) 0%,#fff 80%);position:absolute;top:0;right:-40px;width:40px;height:100%}.b_dark .b_slideexp
.b_hoverFading{background:linear-gradient(90deg,rgba(27,26,25,.4) 0%,#fff 80%)}#b_slideexp.hoverFading: hover .b_overlay>div:nth-child(3){width:calc(100% + 40px)}#slideexp7_41FAC6 .slide { width: 140px; margin-right: 16px; }#slideexp7_41FAC6c
.b_slidebar .slide { border-radius: 6px; }#slideexp7_41FAC6 .slide:last-child { margin-right: 1px; }#slideexp7_41FAC6c { margin: -4px; } #slideexp7_41FAC6c .b_viewport { padding: 4px 1px 4px 1px; margin: 0 3px; } #slideexp7_41FAC6c .b_slidebar .slide { box-shadow: 0 0 0 1px rgba(0, 0, 0, 0.05); -webkit-box-shadow: 0 0 0 1px rgba(0, 0, 0, 0.05); } #slideexp7_41FAC6c .b_slidebar .slide.see_more { box-shadow: 0 0 0 0px rgba(0, 0, 0, 0.00); -webkit-box-shadow: 0 0 0 0px rgba(0, 0, 0, 0.00); } #slideexp7_41FAC6c .b_slidebar .slide.see_more: hover { box-shadow: 0 0 0 0px rgba(0, 0, 0, 0.00); -webkit-box-shadow: 0 0 0 0px rgba(0, 0, 0, 0.00); }SponsoredSee the Actual Power of the Power Inverter3000W Power Inverter, 12V DC To 120V AC Inverter With LCD Display, 3 Ac Sockets And USB-C & Qc 3.0 Port For Camping Emergency Vehicles Truck Rv$119.99Free shipping3000W Power Inverter, 12V DC To 120V AC Inverter With LCD Display, 3 Ac Sockets And USB-C & Qc 3.0 Port For Camping Emergency Vehicles Truck Rv
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The actual power of the power inverter

Does the inverter generate the reactive power from Inverters generate reactive power by use of the freewheeling diodes on each of the power switches. The inductive nature of the load makes it want to draw current even after the power switch

Apparent power: definition and measurement | A. Apparent power plays an important role here, as it represents the total power generated by the inverter. An understanding of active power and reactive power is crucial to ensure that the apparent power is used efficiently and

Inverter Specifications and Data Sheet The article provides an overview of inverter functions, key specifications, and common features found in inverter systems, along with an example of power calculations and inverter classification by power output.

TECHNICAL ARTICLE Real power is always expressed in Wats, while apparent power is expressed in VA. The reason real power is important is that the power consumed by an inverter from a battery is proportional

Inverter-Based Resources Reactive Power Because of their ability to control different output quantities, including real power, reactive power, disturbance ride-through, and ramp rates, inverters are sometimes called the "brains" of the renewable energy

ELI5: True Power vs Apparent Power : r/explainlikeimfive Apparent power out will be bigger than real power, and the value depends on the power factor of the load. If the inverter is driving a load with a large inductance such as a

power A sane and efficient inverter is expected to consume input power related to the "real" output power (W) and not to the "apparent" output power (VA). In your case, it could be

How Power Inverter Generates Reactive Power Learn how power inverters generate reactive power to support voltage stability and enhance system efficiency. Understand the role of phase control and its importance for

Does the inverter generate the reactive power from the DC power Inverters generate reactive power by use of the freewheeling diodes on each of the power switches. The inductive nature of the load makes it want to draw current even after the power

Apparent power: definition and measurement | A. EBERLE Apparent power plays an important role here, as it represents the total power generated by the inverter. An understanding of active power and reactive power is crucial to ensure that the

Inverter Specifications and Data Sheet The article provides an overview of inverter functions, key specifications, and common features found in inverter systems, along with an example of power calculations and inverter

Inverter-Based Resources Reactive Power Capabilities Because of their ability to control different output quantities, including real power, reactive power, disturbance ride-through, and ramp rates, inverters are sometimes called the

What is "POWER FACTOR" in the specs for an inverter? How What is "POWER FACTOR" in the specs for an inverter? How efficient the inverter is? For example would a power factor of 95% mean that you lose 5% to the

The subtle relationship between inverter power and load power Our safe configuration should be 2 to 3 times the load power to meet the actual power requirements of the motor and avoid the instantaneous startup power of the equipment

ELI5: True Power vs Apparent Power : r/explainlikeimfive Apparent power out will be bigger than real power, and the value depends on the power factor of the load. If the inverter is driving a load with a large inductance such as a

The subtle relationship between inverter power and load power Our safe



The actual power of the power inverter

configuration should be 2 to 3 times the load power to meet the actual power requirements of the motor and avoid the instantaneous startup power of the equipment

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