



Global solar inverter market capacity

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What is the global solar PV inverters market size?

Reuse requires attribution under CC BY 4.0. Image © Mordor Intelligence. Reuse requires attribution under CC BY 4.0. The Solar PV Inverters Market size is estimated at USD 14.27 billion in 2025, and is expected to reach USD 19.89 billion by 2030, at a CAGR of 6.87% during the forecast period (2025-2030).

What is the global market for central inverters?

The global market for central inverters is anticipated to be over USD 30.8 billion by 2034. These inverters have been categorized as stationary inverters primarily serving across a large-scale solar farm or a utility-aided solar deployment.

What was the market size of PV inverter in 2024?

The market size for PV inverter was valued at USD 34.6 billion in 2024 and is projected to reach USD 90 billion by 2034, growing at a CAGR of 9.5% during the forecast period. What was the market share of the three-phase segment in 2024?

How much is the PV inverter market worth?

The PV inverter market was valued at USD 25.5 billion, USD 29.9 billion, and USD 34.6 billion in 2022, 2023, and 2024, respectively. The string inverter market is expected to grow at a CAGR of 9.8% between 2025 and 2034 due to their cost-effectiveness, scalability, and ease of installation.

The global solar inverter market size was evaluated at USD 11.99 billion in 2024 and is predicted to hit around USD 25.81 billion by 2034 with a notable CAGR of 7.97%.

Solar PV Inverters Market in North AmericaSolar PV Inverters Market in EuropeSolar PV Inverters Market in Asia-PacificSolar PV Inverters Market in South AmericaSolar PV Inverters Market in Middle East & AfricaThe North American solar PV inverters market holds approximately 21% of the global inverter market share in 2024, establishing itself as a significant regional market. The region's growth is primarily driven by robust government support through incentive programs and renewable energy targets. The United States leads the market with subst...See more on mordorintelligence .rcimgcol .cico { background: #f5f5f5; } .b_drk .rcimgcol .cico, .b_dark .rcimgcol .cico { background: unset; }.b_imgSet .b_hList li.square_m,.b_imgSet .b_hList li.tall_m{width:75px}.b_imgSet .b_hList li.tall_mlb{width:113px}.b_imgSet .b_hList li.tall_mln{width:96px}.b_imgSet .b_hList li.wide_m{width:128px}.b_imgSet.b_Card .b_hList

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.b_moreLink:visited,.b_subModule>.b_moreLink,.b_subModule>.b_moreLink:visited{color:#767676}.b_img
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x}.b_imgSet .cico.b_placeholder a{display:flex}.b_imgSet .cico.b_placeholder a
img{width:48px;height:48px;margin:auto}@media(max-width:1362.9px){#b_context .b_entityTP .b_imgSet
li:nth-child(5){display:none}.b_imgSet .b_hList
li.wide_m:nth-child(3){display:none}@media(max-width:1274.9px){#b_context .b_entityTP .b_imgSet
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.b_hList>li:first-child .cico
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.b_imgSet .b_hList>li:last-child .cico
a{border-radius:unset;border-top-right-radius:var(--mai-smtc-corner-card-default);border-bottom-right-radius:
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.b_caption:has(.rcimgcol){padding-right:var(--mai-smtc-padding-card-default);margin-right:calc(-1*var(--mai
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ius:15px;margin:0;padding:0;overflow:hidden;z-index:9;display:none}#OverlayMask,#OverlayMask.b_mcOv
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y);display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2;overflow:hidden;text-overflow:ellipsi
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clamp:5;overflow:hidden;text-overflow:ellipsis}.b_acf_crsl .slide.b_crslitm>*:last-child,.b_acf_crsl
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.b_wpt_container .b_acf_crsl .btn.bld.next,#b_topw .b_wpt_container .b_acf_crsl .btn.bld.prev,.b_acf_crsl
.btn.next,.b_acf_crsl .btn.prev{z-index:5}.b_acf_crsl.b_fadebg .btn.next
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0%,var(--smtc-background-card-on-primary-default-rest) 60%)} .b_acf_crsl.b_fadebg .btn.prev
.bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0)
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.slide{background-color:unset}[dir="rtl"] .b_acf_crsl.b_fadebg .btn.next
.bg{background:linear-gradient(270deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0)
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.bg{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0)
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.b_viewport,.b_acf_crsl.hovexp .leftrightmost .b_overlay .b_viewport,.b_acf_crsl.hovexp .b_overlay
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.slide>{*margin-bottom:var(--smtc-padding-ctrl-text-side)!important}.b_colg_3xs
.slide{margin-inline-end:var(--smtc-padding-ctrl-sm-text-top)!important}.b_rowg_3xs
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y-alt-rest)}.b_acf_card_link{border-radius:var(--mai-smtc-corner-card-default);outline-offset:-1px;position:a
bsolute;width:100%;height:100%}.b_acf_card_link:hover{text-decoration:unset}.acf_col1_4{width:140px}.a
cf_col1_6{width:160px}@media(forced-colors:active){.b_acf_card_link{background-color:unset}.b_acf_car
d[link]
.acf_t_c_title{color:LinkText!important}}.acf_col1{width:88px}.acf_col2{width:200px}.acf_col3{width:312
px}.acf_col4{width:424px}.acf_col5{width:536px}.acf_col6{width:648px}.acf_col7{width:760px}.acf_col8
{width:872px}.acf_col9{width:984px}.acf_col10{width:1096px}.acf_col11{width:1208px}.acf_col12{width:
1320px}.acf_row1{height:88px}.acf_row2{height:200px}.acf_row3{height:312px}.acf_row4{height:424px}.
acf_row5{height:536px}.acf_row6{height:648px}.acf_row7{height:760px}.acf_row8{height:872px}.acf_row
9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px}.acf_row12{height:1320px}.b_overla
y
.btn{height:100%;position:absolute;width:20px;cursor:pointer;z-index:1;-moz-user-select:none;-khtml-user-se
lect:none;-webkit-user-select:none;-o-user-select:none;-ms-user-select:none;user-select:none}.b_overlay .btn
*{transition:opacity .3s linear}.b_overlay .btn
.bg{position:absolute;width:100%;height:100%;background-color:#444;opacity:.3;filter:alpha(opacity=30)}.b
_overlay .btn.nobg .bg{background-color:transparent}.b_overlay .btn:hover
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```
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.bg{opacity:.3;filter:alpha(opacity=30)}.b_overlay .btn.disabled .bg,.b_overlay .btn.nohover.disabled
.bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay .btn.hidden .bg,.b_overlay .btn.nohover.hidden
.bg{opacity:.01;filter:alpha(opacity=1)}.b_overlay .btn.disabled,.b_overlay
.btn.hidden{cursor:default}.b_overlay .btn .cr{text-align:center;line-height:0}.b_overlay
.btn.bld.polecarchev.hidden .cr,.b_overlay .btn.bld.polecarchev.disabled .cr,.b_overlay
.btn.bld.rounded.hidden .cr,.b_overlay .btn.bld.rounded.disabled .cr,.b_overlay .btn.bld.bigrounded.hidden
.cr,.b_overlay .btn.bld.bigrounded.disabled .cr{opacity:.01;visibility:unset}.b_overlay .btn.hidden
.cr,.b_overlay .btn.disabled .cr{visibility:hidden}.b_overlay .btn.prev.ltr .cr,.b_overlay .btn.next.rtl
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-smtc-shadows-floating-action-button-rest);fill:var(--smtc-foreground-content-neutral-secondary)}.acfdefaultchev
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.cr>svg{fill:ButtonText}.acfdefaultchev .cr:hover,.acfdefaultchev
.cr:has(:focus-visible){background:Highlight}}.b_overlay .btn.bld.prev{left:-20px}.b_overlay
.btn.bld.next{right:-20px}.slide.b_crslitm.b_sldfitcont{width:fit-content}#slideexp0_DE9FDD
.slide:last-child { margin-inline-end: 0; } #slideexp0_DE9FDD .slide>*:last-child { margin-bottom: unset
!important; } .b_acf_crsl #slideexp0_DE9FDDc .b_slidebar .slide { box-shadow: unset; -webkit-box-shadow:
unset; } .b_acf_crsl.hovexp #slideexp0_DE9FDDc.b_slideexp .b_overlay .b_slidesContainer { overflow:
visible !important; } .b_acf_crsl.hovexp #slideexp0_DE9FDDc.b_slideexp .b_overlay .b_viewport {
padding-top: 12px !important; margin-top: -12px !important; padding-bottom: 12px !important;
margin-bottom: -12px !important; }Global Market Insights Inc.PV Inverter Market Size, Share & Forecast
Report, 2025-2034See MoreThe global PV inverter market was valued at USD 34.6 billion in 2024 and is
estimated to grow at a CAGR of 9.5% from 2025 to 2034. The paradigm shift toward the integration of
renewable energy ...
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In 2024, the market size is projected to reach a valuation of USD 7,781.5 Million. By 2033, the valuation is anticipated to reach USD 15,298.1 Million. The solar power inverter market ...

The global PV inverter market was valued at USD 34.6 billion in 2024 and is estimated to grow at a CAGR of

9.5% from 2025 to 2034. The paradigm shift toward the integration of renewable energy ...

It will grow from \$18.23 billion in 2025 to \$20.18 billion in 2026 at a compound annual growth rate (CAGR) of 10.7%.

Figures for the year 2023 has the newly installed photovoltaic capacity reaching between 280-330 GW. The increase of solar electricity generation and the improvements in the field of sun ...

According to SolarPower Europe, the cumulative global installed solar PV capacity grew by 22%, i.e., from 772.2 GW in 2020 to 940.0 GW in 2021. Countries like China, the United States, Japan, ...

The analysts' latest report projects the global market for solar modules to reach \$80.7 billion by the end of the decade, while the solar inverter market is set to reach \$38.8 billion.

By 2035, the market is expected to reach USD 14.45 Billion. The rapid global shift towards renewable energy sources is one of the key solar PV inverter market trends. According to SolarPower Europe, ...

The Solar PV Inverters market is expected to grow from USD 14.27 billion in 2025 to USD 15.24 billion in 2026 and is forecast to reach USD 21.16 billion by 2031 at 6.79% CAGR over 2026-2031.

The solar PV inverter serves as an important link in the solar power module by converting the direct current (DC) generated by photovoltaic modules in suitable (AC) for PV Inverter End-Us ...

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