

# Annual consumption of solar glass





## Overview

---

What is the global solar PV glass market size?

The global solar PV glass market size was valued at USD 3.23 billion in 2016. The growing emphasis on the adoption of clean energy sources is likely to be the key driver for the market growth in the coming years. Clean & renewable energy is an affordable alternative to fossil fuel-based electricity.

What is the size of solar glass market?

Based on type the solar glass market is classified as 3.2mm, 2.5mm, 2.0mm and others. Based on application the solar glass market is classified as single glass module, double glass module and others. "Various Green Benefits and Hazardous Eliminations to Double the Market Share".

What is the market size of Solar Photovoltaic Glass in 2024?

By manufacturing process, float lines delivered 68% of 2024 volume; rolled glass is forecast to post a 19.70% CAGR to 2030. By solar technology, crystalline silicon held 91% share of the solar photovoltaic glass market size in 2024, whereas CIGS cells are expected to grow at 23.61% CAGR between 2025 and 2030.

Why is the solar PV glass market growing?

Government rules that are favorable to the development of solar PV plants is one of the factors driving the growth of the solar PV glass market. Additionally, the market for solar PV glass is growing due to the surge in demand for solar systems on a residential, commercial, and utility scale.



## Annual consumption of solar glass

### Solar PV Glass Market Size, 2025-2034 Trends Report

Industry TrendsMarket by TechnologyMarket by ProductMarket by End UseMarket by RegionCompetitive Market ShareAnnealed solar PV glass demand was over 300 million square meters in 2016 and is estimated to grow considerably from 2016 to 2024. This can be attributed to cost competitiveness, easy manufacturing process and easy availability of the product. These products are not heat strengthened and delivers easy cutting, edging, machining and polishing of the See more on gminsights .rcimgcol .cico { background: #f5f5f5; } .b\_drk .rcimgcol .cico,

.b\_dark .rcimgcol .cico { background: unset; }.b\_imgSet .b\_hList li.square\_m,.b\_imgSet .b\_hList li.tall\_m{width:75px}.b\_imgSet .b\_hList li.tall\_mlb{width:113px}.b\_imgSet .b\_hList li.tall\_mln{width:96px}.b\_imgSet .b\_hList li.wide\_m{width:128px}.b\_imgSet.b\_Card .b\_hList li{padding-left:1px;padding-right:9px}.b\_imgSet.b\_Card .b\_hList li.tall\_wfn{width:80px;padding-right:6px}.b\_imgSet.b\_Card .b\_hList li:last-child{padding-right:1px}.b\_imgSet.b\_Card .b\_imgSetData{padding:0 8px 8px;height:40px}.b\_imgSet.b\_Card .b\_imgSetItem{box-shadow:0 0 1px rgba(0,0,0,.05),0 2px 3px 0 rgba(0,0,0,.1);border-radius:6px;overflow:hidden}.b\_imgSet .b\_imgSetData p a{color:#444;outline-offset:0}.b\_subModule .b\_clearfix.b\_mhdr .b\_floatR .b\_moreLink,.b\_subModule .b\_clearfix.b\_mhdr .b\_floatR .b\_moreLink:visited,.b\_subModule>.b\_moreLink,.b\_subModule>.b\_moreLink:visited{color:#767676}.b\_imgSet .cico.b\_placeholder{display:flex;justify-content:center;background-color:#f5f5f5;background-clip:content-box}.b\_imgSet .cico.b\_placeholder a{display:flex}.b\_imgSet .cico.b\_placeholder a img{width:48px;height:48px;margin:auto}@media(max-width:1362.9px){#b\_context .b\_entityTP .b\_imgSet li:nth-child(5){display:none}.b\_imgSet .b\_hList li.wide\_m:nth-child(3){display:none}}@media(max-width:1274.9px){#b\_context .b\_entityTP .b\_imgSet li:nth-child(4){display:none}.b\_imgSet .b\_hList li.wide\_m:nth-child(2){display:none}}.rcimgcol .b\_imgSet{content-visibility:auto;contain-intrinsic-size:1px 124px}.rcimgcol{height:108px;padding-top:var(--smtc-gap-between-content-x-small);padding-bottom:var(--smtc-gap-between-content-x-small)}.b\_algo:has(.b\_agh) .rcimgcol{padding-top:var(--smtc-gap-between-content-xx-small)}.rcimgcol .b\_imgSet{overflow:hidden}.rcimgcol .b\_imgSet ul{overflow-x:auto;overflow-y:hidden;white-space:nowrap;padding-left:var(--mai-smtc-padding-card-default)}.rcimgcol .b\_imgSet ul::-webkit-scrollbar{-webkit-appearance:none}.rcimgcol .b\_imgSet .b\_hList>li{padding-right:var(--smtc-padding-ctrl-text-side)}.rcimgcol .b\_imgSet .cico{border-radius:unset}.rcimgcol .b\_imgSet .b\_hList>li:first-child .cico,.rcimgcol .b\_imgSet .b\_hList>li:first-child .cico a{border-radius:unset;border-top-left-radius:var(--smtc-corner-card-rest);border-bottom-left-radius:var(--smtc-corner-card-rest);overflow:hidden}.rcimgcol .b\_imgSet .b\_hList>li:last-child .cico,.rcimgcol .b\_imgSet .b\_hList>li:last-child .cico a{border-radius:unset;border-top-right-radius:var(--smtc-corner-card-rest);border-bottom-right-radius:var(--smtc-corner-card-rest);overflow:hidden}.rcimgcol .rcimgcol .b\_sideBleed{margin-left:unset;margin-right:unset}.rcimgcol .b\_imgclgovr{cursor:pointer}.rcimgcol .b\_imgclgovr .cico img:hover{transform:scale(1.05);transition:transform .5s ease}#b\_content #b\_results>.b\_algo .b\_caption:has(.rcimgcol){padding-right:var(--mai-smtc-padding-card-default);margin-right:calc(-1\*var(--mai-smtc-padding-card-default));margin-left:calc(-1\*var(--mai-smtc-padding-card-default));padding-left:var(--mai-smtc-padding-card-default)}.rcimgcol .b\_imgSet .b\_hList .cico a{display:flex;outline-offset:-2px}.a.b\_aatclink{text-decoration:none}.b\_algoArticleTextCarousel{margin-left:calc(-1\*var(--mai-smtc-padding-card-default));margin-right:calc(-1\*var(--mai-smtc-padding-card-default));padding-bottom:var(--smtc-gap-between-content-x-small)}.b\_algoArticleTextCarousel .b\_slidebar .slide{border-radius:var(--smtc-corner-card-rest)}.b\_algoArticleTextCarousel .b\_insideSlide{padding:var(--mai-smtc-padding-card-default);height:200px;width:200px;border-radius:var(--smtc-corner-card-rest);border:1px solid va



```
r(--smtc-stroke-ctrl-on-neutral-rest);box-sizing:border-box;background:var(--smtc-background-card-on-primary-default-rest)}.b_algoArticleTextCarousel .b_insideSlide:hover{background:var(--smtc-background-card-on-primary-default-hover)}.b_algoArticleTextCarousel .b_insideSlide:active{background:var(--smtc-background-card-on-primary-default-pressed)}.b_algoArticleTextCarousel .b_insideSlide .b_title{font:var(--acf-font-title-1-strong);color:var(--smtc-foreground-content-neutral-secondary);display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2;overflow:hidden;text-overflow:ellipsis}.b_algoArticleTextCarousel .b_insideSlide .b_text{margin-top:var(--smtc-gap-between-content-x-small);color:var(--smtc-foreground-content-neutral-secondary);font:var(--bing-smtc-text-global-body3);display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:5;overflow:hidden;text-overflow:ellipsis}.b_acf_crsl .slide.b_crslitm>*:last-child,.b_acf_crsl .b_slideexp,#b_topw .b_wpt_container .b_slidesContainer:has(.b_acf_crsl) .b_slidesContainer{margin-bottom:unset}#b_topw .b_wpt_container:has(.b_acf_crsl) .b_viewport{padding:unset}#b_topw .b_wpt_container .b_wpt_bl:has(.b_acf_crsl){overflow:visible}.b_acf_crsl .b_slidesContainer .slide.b_crslitm{overflow:unset}.b_acf_crsl .btn.next .bg,.b_acf_crsl .btn.prev .bg{background:unset}#b_topw .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 .bg{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 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) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}.b_dark .b_acf_crsl .b_slidebar .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) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}[dir="rtl"] .b_acf_crsl.b_fadebg .btn.prev .bg{background:linear-gradient(90deg,var(--bing-smtc-background-ctrl-fade-on-primary-stop-0) 0%,var(--smtc-background-card-on-primary-default-rest) 60%)}.b_acf_crsl.hovexp .leftmost .b_overlay .b_viewport,.b_acf_crsl.hovexp .lefrightmost .b_overlay .b_viewport,.b_acf_crsl.hovexp .b_overlay .b_viewport{padding-left:var(--smtc-gap-between-content-x-large)!important;margin-left:calc(var(--smtc-gap-between-content-x-large)*-1)!important}.b_acf_crsl.hovexp .middle .b_overlay .b_viewport,.b_acf_crsl.hovexp .rightmost .b_overlay .b_viewport{padding-left:unset!important;margin-left:unset!important}.b_colg_4xs .slide{margin-inline-end:var(--smtc-padding-ctrl-text-side)!important}.b_rowg_4xs .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 .slide>*{margin-bottom:var(--smtc-padding-ctrl-sm-text-top)!important}.b_colg_2xs .slide{margin-inline-end:var(--smtc-gap-between-content-xx-small)!important}.b_rowg_2xs .slide>*{margin-bottom:var(--smtc-gap-between-content-xx-small)!important}.b_colg_xs .slide{margin-inline-end:var(--smtc-gap-between-content-x-small)!important}.b_rowg_xs .slide>*{margin-bottom:var(--smtc-gap-between-content-x-small)!important}.b_colg_s .slide{margin-inline-end:var(--smtc-gap-between-content-small)!important}.b_rowg_s .slide>*{margin-bottom:var(--smtc-gap-between-content-small)!important}.b_colg_m .slide{margin-inline-end:var(--smtc-gap-between-content-medium)!important}.b_rowg_m .slide>*{margin-bottom:var(--smtc-gap-between-content-medium)!important}.b_colg_l .slide{margin-inline-end:var(--mai-smtc-padding-card-default)!important}.b_rowg_l .slide>*{margin-bottom:var(--mai-smtc-padding-card-default)!important}.b_colg_xl .slide{margin-inline-end:var(--smtc-gap-between-content-x-large)!important}.b_rowg_xl .slide>*{margin-bottom:var(--smtc-gap-between-content-x-large)!important}.b_colg_2xl .slide{margin-inline-end:var(--smtc-gap-between-content-xx-large)!important}.b_rowg_2xl .slide>*{margin-bottom:var(--smtc-gap-between-content-xx-large)!important}.b_colg_3xl .slide{margin-inline-end:var(--smtc-padding-content-xx-large)!important}.b_rowg_3xl .slide>*{margin-bottom:var(--smtc-padding-content-xx-large)!important}.b_colg_4xl .slide{margin-inline-end:var(--smtc-padding-content-xxx-
```



```
large)!important}.b_rowg_4xl .slide>{*{margin-bottom:var(--smtc-padding-content-xxx-large)!important}.b_acf_card{box-sizing:border-box;border-radius:var(--smtc-corner-card-rest);-webkit-user-select:none;user-select:none;position:relative;width:100%;height:100%}.b_acf_card.b_acf_bckgnd{background:var(--bing-smtc-background-card-on-primary-alt-rest)}.b_acf_card_link{border-radius:var(--smtc-corner-card-rest);outline-offset:-1px;position:absolute;width:100%;height:100%}.b_acf_card_link:hover{text-decoration:unset}.acf_col1_4{width:140px}.acf_col1_6{width:160px}.acf_col1{width:88px}.acf_col2{width:200px}.acf_col3{width:312px}.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_row9{height:984px}.acf_row10{height:1096px}.acf_row11{height:1208px}.acf_row12{height:1320px}.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-V53KpAdOj-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_seemore{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;outline:0}.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:middle;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 .b_viewport.scrollbar{overflow-x:auto;-ms-overflow-style:none;scrollbar-width:none}.b_slideexp .b_viewport.scrollbar::-webkit-scrollbar{display:none}.b_slideexp .b_viewport{-webkit-overflow-scrolling:touch}.b_overlay{position:relative}.b_overlay .btn{height:100%;position:absolute;width:20px;cursor:pointer;z-index:1;-moz-user-select:none;-khtml-user-select: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 .bg{opacity:.7;filter:alpha(opacity=70)}.b_overlay .btn.nohover:hover .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
.cr{transform:scaleX(-1)}.b_overlay .btn.next{right:0}.b_overlay .btn .cr>div{background-
size:40px 200px;background-repeat:no-repeat;width:20px;height:40px;background-
position:-10px 0}.b_overlay .btn .cr>div{background-
image:url(/rp/S9llHAMB7]xaR5m1KRvMwDswyw.png)}.b_overlay
.acfdefaultchev.btn.next{right:0!important}.b_overlay
.acfdefaultchev.btn.prev{left:0!important}.b_overlay .acfdefaultchev.btn:hover
.bg{opacity:unset;filter:unset}.b_overlay .acfdefaultchev.btn.disabled,.b_overlay
.acfdefaultchev.btn.hidden{display:none}.b_overlay .acfdefaultchev.btn{width:48px}.b_overlay
.acfdefaultchev.btn .bg{opacity:unset}.b_overlay .acfdefaultchev.btn.prev .cr{left:0}.b_overlay
.acfdefaultchev.btn.next .cr{right:0}.acfdefaultchev .cr{display:flex;justify-content:center;align-
items:center;flex:1 0 0;align-self:stretch;width:36px;height:48px;position:absolute;margin:unset;
opacity:unset;transition:unset;border-radius:var(--smtc-corner-ctrl-lg-rest);background:var(--bing-
smtc-background-container);box-shadow:var(--acf-elevation-3);fill:var(--smtc-foreground-
content-neutral-secondary)}.acfdefaultchev .cr:hover{background:var(--smtc-background-card-
on-primary-default-hover)}.acfdefaultchev .cr:active{background:var(--smtc-background-card-on-
primary-default-pressed)}.b_ofchev .acfdefaultchev.btn.prev .cr{left:-18px}.b_ofchev
.acfdefaultchev.btn.next .cr{right:-18px}@media(forced-colors:active){.acfdefaultchev
.cr{background:ButtonFace}.acfdefaultchev .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}.vcac{position:absolute;width:100
%;top:50%}.vcac>div{position:relative;width:100%}.slide.b_crslitm.b_sldfitcont{width:fit-
content}#slideexp0_458820 .slide:last-child { margin-inline-end: 0; } #slideexp0_458820
.slide>*.last-child { margin-bottom: unset !important; } .b_acf_crsl #slideexp0_458820c
.b_slidebar .slide { box-shadow: unset; -webkit-box-shadow: unset; } .b_acf_crsl.hovexp
#slideexp0_458820c.b_slideexp .b_overlay .b_slidesContainer { overflow: visible !important; }
.b_acf_crsl.hovexp #slideexp0_458820c.b_slideexp .b_overlay .b_viewport { padding-top: 12px
!important; margin-top: -12px !important; padding-bottom: 12px !important; margin-bottom:
-12px !important; }Mordor IntelligenceSolar Photovoltaic Glass Market Size, Share AnalysisOct
22, 2025 · The Solar Photovoltaic Glass Market is expected to reach 32.10 million tons in 2025
and grow at a CAGR of 18.42% to reach 74.75 million tons by 2030. Xinyi Solar Holdings ...
```

Global Solar Glass Market 2025 by Manufacturers, Regions, ...

Chapter 3, the Solar Glass competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast. Chapter 4, the Solar ...

Solar glass now the largest contributor to PV module costs

4 days ago · Solar glass has become the largest part of solar PV manufacturing costs. The industry is dominated by 8 Chinese glass suppliers with 90% share.

Global PV Glass (Solar Glass & Solar Photovoltaic Glass) ...

Apr 7, 2024 · The global PV Glass (Solar Glass & Solar Photovoltaic Glass) market is projected to grow from US\$ 3304 million in 2024 to US\$ 4634 million by 2030, at a Compound Annual ...

Solar PV Glass Market Size, 2025-2034 Trends Report



The solar PV glass market size crossed USD 53.5 billion in 2024 and is estimated to grow at a CAGR of 7.9% from 2025 to 2034, driven by the significant increase in solar installations due ...

---

Review of issues and opportunities for glass supply for ...

Abstract Current solar photovoltaic (PV) installation rates are inadequate to combat global warming, necessitating approximately 3.4 TW of PV installations annually. This would require ...

---

Solar Photovoltaic Glass Market Size & Outlook, 2025-2033

The global solar photovoltaic glass market size is projected to grow from USD 22.13 billion in 2025 to USD 179.08 billion by 2033, exhibiting a CAGR of 29.87%.

---

Solar PV Glass Market Size & Trends , Industry Report, 2030

Solar PV Glass Market Summary The global Solar PV Glass Market was valued at USD 10.08 billion in 2024 and is projected to reach USD 47.16 billion by 2030, growing at a CAGR of ...

---

Solar Glass Market Size, Trends, Demand & Forecast 2033

Unlock detailed market insights on the Solar Glass Market, anticipated to grow from USD 9.65 billion in 2024 to USD 18.29 billion by 2033, maintaining a CAGR of 7.35%. The analysis ...

---

Solar Photovoltaic Glass Market Size, Share Analysis

Oct 22, 2025 · The Solar Photovoltaic Glass Market is expected to reach 32.10 million tons in 2025 and grow at a CAGR of 18.42% to reach 74.75 million tons by 2030. Xinyi Solar Holdings ...

---

Solar Glass Market Size, Trends, Growth Report, 2025-2033

Nov 24, 2025 · Global solar glass market size was forecasted to be worth USD 7.83 billion in 2024, expected to achieve USD 24.1 billion by 2033 with a CAGR of 13.3%

---

## Contact Us

---

For technical specifications, project proposals, or partnership inquiries, please visit:

<https://www.flightmasters.eu>

**Scan QR Code for More Information**



<https://www.flightmasters.eu>