

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

This PDF is generated from: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Title: How big a solar panel is needed for household electricity

Generated on: 2026-05-18 21:03:37

Copyright (C) 2026 AIDES SOLAR. All rights reserved.

For the latest updates and more information, visit our website: <https://www.aides-panneaux-solaire.fr>

-----  
How many solar panels do you need for a house?

To calculate the number of solar panels required for a house, divide your system's capacity by the production ratio by the panel wattage. Homeowners can also use their electric bill to estimate their energy usage and determine the number of solar panels needed. [How Much Solar Energy Do You Need?](#)

How many solar panels does a home use a year?

$12,000 / 1.6 / 0.4 = 18.75$  panels (round up to 19) While energy usage varies significantly between households, home size provides a useful starting point for estimation: Smaller homes typically use 6,000-9,000 kWh annually.

How many kilowatts of solar power does a house use?

The size of a house plays a major role in knowing how many kilowatts of solar power your panels will consume. A 1,500-square-foot home would use an estimate of 630 kWh, whereas a 3,000-square-foot house would consume 1,200 kWh per month, twice as much. The national average for solar panels costs around \$16,000.

How many kW solar panels do I Need?

As we calculated earlier, the California household needs a 7.2 kW system to cover its electricity needs. A comparable household in Massachusetts needs a 9.9 kW system. So, in less sunny areas like Massachusetts, you might consider choosing highly efficient solar panels to maximize your energy output per square foot.

By inputting your energy consumption details, this calculator can provide you with an estimate of how many solar panels you'll need to cover your energy needs. This tool is ...

By inputting your energy consumption details, this calculator can provide you with an estimate of how many solar panels you'll need to ...

Solar sizing isn't just about today: It's about building and planning for the next 10 to 20 years. This is the amount of power each ...

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

Most residential systems in New York range from 7kW to 13kW. Additionally, the amount of power your panels produce is ...

Step 1: Determine Your Average Monthly Kwh Usage Step 2: Calculate Your Daily Kwh Usage Step 3: Estimate The Amount of Sunlight Your Solar Panels Will Receive Step 4: Account For Inefficiencies Step 5: Full Or Partial Offset? Step 6: Determine How Many Solar Panels You Need Most grid-tie homeowners choose to offset 100% of their energy needs with solar. But it is also possible to start with a smaller system for partial offset, and then expand down the line as the budget allows for it. If partial offset is your goal, you can account for that here. For example, let's say you want to start by offsetting half your energy ... See more on [gogreensolar](#) Location: 1630 South Sunkist Street Ste E, Anaheim, 92806, California

```
li.b_ad,ol#b_topw.b_results_emi 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_emi 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_emi .b_ad .sb_adTA .b_caption,#b_results .b_ad .sb_adTA .b_vlist2col
li,#b_topw.b_results_emi .b_ad .sb_adTA .b_vlist2col li,#b_results .b_ad .sb_adTA
.b_factrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_factrow,#b_results .b_ad .sb_adTA
.b_bfactrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_bfactrow,#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_bfactrow{padding-bottom:var(--smtc-gap-between-content-xx-small)}#b_results .b_ad
.sb_adTA .b_vlist2col,#b_topw.b_results_emi .b_ad .sb_adTA .b_vlist2col,#b_results .b_ad .sb_adTA
.b_factrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_factrow,#b_results .b_ad .sb_adTA
.b_bfactrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_bfactrow,#b_results .b_ad
.sb_adig,#b_topw.b_results_emi .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_bfactrow,#b_topw .b_ad
.sb_adig{margin-top:0}#b_results .b_ad h3.b_adlabel,#b_topw.b_results_emi .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_adt{margin-bottom:-6px}.b_ad_description{font:var(--bing-smtc-text-global-body3);color:var(--
bing-ads-smtc-desktop-foreground-snippet-default)}#b_results .sb_add h2:hover a,#b_topw.b_results_emi
.sb_add h2:hover a{text-decoration:underline}#b_results .sb_add h2:hover,#b_topw.b_results_emi .sb_add
h2:hover{cursor:pointer}.b_ad
li.b_adLastChild{margin-bottom:0}#b_results>li.b_ad{background-color:#fcfaf9}
#b_topw.b_results_emi>li.b_ad{background-color:#fcfaf9} #b_context>li.b_ad{background-color:#fcfaf9}
.b_dark #b_results>li.b_ad{background-color:inherit} .b_dark
#b_topw.b_results_emi>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
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
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(--bing-smtc-foreground-content-brand-rest)}#b_cont
ent .pa_carousel_mlo .see_more .carousel_seemore
a.b_moreLink::before{content:"";position:absolute;width:48px;height:48px;top:var(--smtc-gap-between-conten
t-medium);left:50%;-webkit-transform:translate(-50%,0);-moz-transform:translate(-50%,0);-ms-transform:tran
sform:translate(-50%,0);-o-transform:translate(-50%,0);transform:translate(-50%,0);background-color:var(--bing-smtc-b
ackground-card-on-primary-alt-pressed);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-x
x-large);left:50%;border-style:solid;border-width:3px 3px 0
0;border-color:var(--bing-smtc-foreground-content-brand-rest);-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(--bing-smtc-foreground-content-brand-rest);font:var(--bing-smtc-text-global-body3-stro
ng)} .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)} .b_
adBottom .pa_carousel_mlo{margin:var(--mai-smtc-padding-card-default) 0 0 0!important} .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:translat
eX(0)}}@keyframes
slideInFromLeft{0%{visibility:visible;transform:translateX(100%)}100%{visibility:visible;transform:translat
eX(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;padding-ri
ght:var(--smtc-gap-between-content-medium);height:26px;font:var(--bing-smtc-text-global-subtitle1-strong);c
olor:var(--smtc-foreground-content-neutral-primary)!important;padding-bottom:var(--smtc-padding-ctrl-sm-te
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
xt-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-pri
mary)!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_adPATitleBlock
.b_adSlug{margin-right:var(--bing-ads-smtc-url-icon-padding-left);padding:0
var(--smtc-padding-ctrl-text-side);border:1px
var(--bing-ads-smtc-ad-slug-stroke);font:var(--bing-smtc-text-global-caption2);color:var(--bing-ads-smtc-desk
top-foreground-ad-slug-default);border-radius:var(--bing-ads-smtc-ad-slug-corner)}.sb_adTA
.b_adSlug{font:var(--bing-smtc-text-global-caption2);line-height:var(--bing-ads-smtc-ad-slug-line-height);bor
der-radius:var(--bing-ads-smtc-ad-slug-corner);display:inline-block}.b_adSlug{font-size:11px;font-weight:nor
mal;line-height:11px;border-radius:6px;display:inline-block}.b_adSlug{color:var(--bing-ads-smtc-desktop-for
eground-ad-slug-default);border:1px
var(--bing-ads-smtc-ad-slug-stroke);vertical-align:middle}.sb_adTA
.b_adSlug{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default);border:1px
var(--bing-ads-smtc-ad-slug-stroke)}#b_context>li.b_ad
.b_adSlug>a,#b_rrat_cont>li.b_ad
.b_adSlug>a{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default)}.b_adSlug{padding:0
var(--smtc-gap-between-content-xxx-small)
var(--smtc-gap-between-content-xxx-small)}.b_adSlug{margin-right:var(--smtc-gap-between-content-xx-smal
l)}.sb_adTA
.b_adSlug{margin-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_adChoiceInl
ine{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-hei
ght: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
#ecec;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,#IMapContainer
.b_aswta
.vertcard
.lc_content
div.b_factrow
div.b_adSlug,div.gs_VA_slgw
.b_adSlug.b_opttxt.b_divdef,.genserp_PA_container
.genserp_PA_title
div.genserp_PA_adslug
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

span.genserp\_adSlug,.gs\_embedded\_label\_container,.embedded\_msan\_ad\_slug{border:0;margin-right:0}#b\_c  
ontent .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\_context .pa\_grid .pa\_item.pa\_vCard .pa\_title,#b\_context .pa\_grid  
.pa\_item.pa\_vCard .pa\_caption,#b\_context .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\_context .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\_context .pa\_grid  
.pa\_item.pa\_vCard  
.pa\_title{font:var(--bing-smtc-text-global-body3);color:var(--smtc-ctrl-link-foreground-brand-rest)}#b\_conte  
nt .pa\_carousel\_mlo .pa\_item.pa\_vCard .pa\_caption,#b\_content .pa\_carousel .pa\_item.pa\_vCard  
.pa\_caption,#b\_context .pa\_grid .pa\_item.pa\_vCard  
.pa\_caption{margin-top:var(--smtc-gap-between-content-x-small);padding-bottom:var(--smtc-gap-between-co  
ntent-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\_context .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\_context .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\_context .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\_context .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-sma  
ll)}#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\_context .pa\_grid .pa\_item.pa\_vCard .pa\_caption  
.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

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
.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-co
ntent-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-al
t);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-neutra
l-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-s
econdary-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-s
witchable-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-neutr
al-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-s
m-text-top);position:relative;box-shadow:none;margin:0}#b_content .pa_carousel_mlo .b_overlay .btn
.cr>div::after{content:"";display:none}#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)
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)
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
0%,var(--smtc-background-card-on-primary-default-rest) 60%)}#b_content .pa_carousel_mlo
.slide,#b_content .pa_carousel .slide,#b_content .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:hid
en}.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_content .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-bottom: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_secondaryText:hover{color:#444}.b_ads1line{white-space:nowrap;overflow:hidden;te
xt-overflow:ellipsis;display:block}.pa_item .b_attribution cite,#b_content .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:#d2d0ce}.pa_item.pa_vCard{cursor:pointer}.pa_badge{position:absolute;background-color:var(--s
mtc-status-informative-tint-background);border-radius:var(--smtc-ctrl-badge-sm-corner);box-shadow:var(--acf
-elevation-4);margin-left:var(--smtc-padding-ctrl-sm-horizontal-default)!important;top:var(--smtc-padding-ctrl
-text-top)!important}acf-badge{display:flex;align-items:center;inline-size:fit-content;max-inline-size:100%;ga
p:var(--smtc-ctrl-badge-gap);padding-block-start:var(--smtc-ctrl-badge-sm-text-padding-top);padding-block-e
nd:var(--smtc-ctrl-badge-sm-text-padding-bottom)}acf-badge,acf-badge::before,acf-badge
*::before,acf-badge
*::after{box-sizing:border-box;margin:0;padding:0}acf-badge[hidden],acf-badge
*[hidden]{display:none}acf-badge[data-visually-hidden],acf-badge
*[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-badge>{*min-inline-size:0;fl
ex-shrink:0;flex-grow:0}acf-badge
span{flex-shrink:1;white-space:nowrap;overflow:clip;text-overflow:ellipsis;max-block-size:calc(1*1lh)}acf-b
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
adge[data-fill="Tint"]{background-color:var(--smtc-status-informative-tint-background)}.acf-badge__favicon
{border-radius:var(--mai-smtc-corner-favicon)}@media(forced-colors:active){acf-badge{border:1px
solid}}acf-badge[data-size="Small"]{block-size:18px;border-radius:var(--smtc-ctrl-badge-sm-corner);padding
-inline:var(--smtc-ctrl-badge-sm-padding)}acf-badge[data-size="Small"]:has(.acf-badge__favicon){padding-i
nline-start:var(--smtc-padding-ctrl-text-side)}acf-badge[data-size="Small"][data-weight="Default"]{font:var(-
-bing-smtc-text-global-caption2)}acf-badge[data-size="Small"][data-weight="Heavy"]{font:var(--bing-smtc-t
ext-global-caption2-strong)}acf-badge[data-style="Neutral"][data-fill="Tint"]{color:var(--smtc-foreground-co
ntent-neutral-primary)}acf-badge[data-style="Neutral"][data-fill="Priority"]{color:var(--bing-smtc-foregroun
d-ctrl-on-image-switchable-rest);background-color:var(--bing-smtc-status-informative-neutral-background)}.b
_pa_indicator_c{position:absolute;bottom:calc(-1*var(--smtc-gap-between-content-x-small));width:100%;dis
play:flex;gap:var(--smtc-gap-between-content-xx-small);justify-content:center;forced-color-adjust:none}.b_pa
_hov_indicator_c{position:relative;height:12px;display:flex;gap:var(--smtc-gap-between-content-xx-small);ju
stify-content:center;align-items:center}.b_pa_ind_chev{position:absolute;height:36px;width:36px;backgroun
d-size:cover;background-repeat:no-repeat;background-position:center}.b_tabhovcard
.b_pa_ind_chev{display:none}.b_pa_ind_chev.left{left:0}.b_pa_ind_chev.right{right:0}.b_pa_indicator{trans
ition:width
var(--acf-animation-duration-default)
var(--acf-animation-ease-default)}.b_pa_indicator.sel{width:8px;height:4px;border-radius:var(--smtc-ctrl-bad
ge-sm-corner);background-color:var(--smtc-foreground-content-brand-primary)}.b_pa_indicator:not(.sel){wid
th:4px;height:4px;border-radius:var(--smtc-ctrl-badge-sm-corner);background-color:var(--bing-smtc-stroke-ct
rl-strong)}.b_pa_ind_chev.left{background-image:url(/rp/agxFsUMkC673WmoTmnIMPxEe6ws.svg)}.b_pa_
ind_chev.left:hover{background-image:url(/rp/xMN0EpA0PIBdEcQcjFfqG_vpETU.svg)}.b_pa_ind_chev.rig
ht{background-image:url(/rp/aEIX3ul9gwY0f2HW1RKDZD2xqCE.svg)}.b_pa_ind_chev.right:hover{backgr
ound-image:url(/rp/E-Z-5a58Tr01Gv0dz1-0Mc32imE.svg)}@supports(-webkit-line-clamp:2){.b_adsTrunTx{
display:-webkit-box;overflow:hidden;-webkit-box-orient:vertical;white-space:normal;visibility:visible}.b_elli
psis{display:none}.b_adsTrunTx
.b_hiddenTx{display:inline}}.b_hiddenTx{display:none}.pa_item.pa_vCard,.pa_item.pa_hCard{position:relat
ive}.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-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(
AAAUCAyAAACNiR0NAAAAA0kIEQVQ4EWNgGOyAkVIH/v//3xBoBg+15sD1Aw08DcRwAJcglwE0iRu
I58FMZAQyTICGFZNoYBcjI+N5kB6g/klAKg2I24G4gQVISANxOBAvBWJiwDEshgUBNV4HYhWQDf5
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

A/JsYk5DVgFwGxD+A2AtZnCwDgYaUYjUMZDJQgmQXAvUIA7EjVD8nkO0McyUTjEEKDQzDt0C8H  
6pnPpC2hekny0CYZiitjMynhoHI5jEMfgNBCRsEQDnGH8IkmRRA1gEy8D8Ur0GWIJH9I0T1w0k5AETBd  
SUE2utkAAAAEIFTkSuQmCC)}.pa\_item.pa\_vCard .pa\_price .prc\_clr\_grn{color:#006d21}.pa\_hover  
.pa\_price .prc\_clr\_grn{color:#006d21}.pa\_price  
.original\_price{padding-left:8px;text-decoration:line-through;font-size:11px;vertical-align:top}.pa\_price  
.horizontal\_converted\_price{line-height:17px;font-size:11px;padding-left:8px}.vertical\_converted\_price{line-  
height:17px;font-size:11px}.pa\_price  
.mob\_horizontal\_converted\_price{line-height:17px;font-size:11px;padding-left:8px}.mob\_vertical\_converted  
\_price{line-height:17px;font-size:11px;padding-left:8px}.pa\_rating{white-space:nowrap;text-overflow:ellipsi  
s;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,#b\_results>.b\_ad .b\_colorBlend,#b\_topw.b\_results\_eml>.b\_ad  
.b\_colorBlend,#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,#b\_context>.b\_ad  
.b\_colorBlend,#b\_rrat\_cont>.b\_ad .b\_colorBlend,#b\_dynRail>.b\_ad .b\_colorBlend,.pa\_hover  
.b\_secondaryText .b\_colorBlend,#b\_pole .pa\_carousel .b\_secondaryText  
.b\_colorBlend{color:var(--bing-ads-smtc-desktop-foreground-snippet-default)}.b\_ad .csrc,.pa\_item  
.csrc{padding-right:0}.csrc .sw\_rtc\_color{color:#d32f2f;font-weight:bold;font-family:"Segoe  
UI",Arial,Helvetica,Sans-Serif}.b\_dark .csrc .sw\_rtc\_color{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}.pa\_hover{background-col  
or: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  
.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(--s  
mtc-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)!important;color:var(--smtc-ctrl-link-foreground-bran  
d-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

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
strong{color:var(--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-sma
ll)}.pa_hover .pa_installmentDesc,.pa_hover .pa_unitprice,.pa_hover .vertical_converted_price,.pa_hover
.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);padding-bottom:0}.pa_hover
.b_attribution{margin-bottom:var(--smtc-gap-between-content-xx-small);color:var(--bing-smtc-foreground-co
ntent-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);color:var(--bing-smtc-foreground-content-neutral-secondary-al
t);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-neutra
l-secondary-alt)}.pa_hover .b_secondaryText
.pa_rebateText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-s
econdary-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-secon
dary-alt)}a.pa_hover_adLink:hover{text-decoration:none}.pa_hover:has(.pa_hover_content.pa_hcgp){border-
radius:var(--smtc-corner-card-rest)}.pa_hover.ad_scpah.pa_animation{background-color:var(--smtc-backgrou
nd-card-on-primary-default-hover);box-shadow:var(--acf-elevation-3);pointer-events: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:heig
ht 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-duration-default) var(--acf-animation-ease-default)}
.pa_img_slidec{max-width:100%}.pa_img_slides{display:flex;position:rela
tive;transition:left
.3s;left:0}.pa_img_slide{display:flex;justify-content:center;flex-shrink:0;flex-grow:0}.pa_img_slidec
.pa_img_slides .pa_img_slide img{margin-left:0;margin-right:0;transform:none}.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)}
.#slideexp6_DC0130 .slide { width: 140px; margin-right: 16px; }
.#slideexp6_DC0130c .b_slidebar
.slide { border-radius: 6px; }
.#slideexp6_DC0130 .slide:last-child { margin-right: 1px; }
.#slideexp6_DC0130c
```

# How big a solar panel is needed for household electricity

Source: <https://www.aides-panneaux-solaire.fr/Wed-17-Aug-2022-22637.html>

Website: <https://www.aides-panneaux-solaire.fr>

```
{ margin: -4px; } #slideexp6_DC0130c .b_viewport { padding: 4px 1px 4px 1px; margin: 0 3px; }
#slideexp6_DC0130c .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); } #slideexp6_DC0130c .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); } #slideexp6_DC0130c .b_slidebar
.slide.see_more .carousel_seemore { border: 0px; }#slideexp6_DC0130c .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); }Sponsored
```

We estimate a typical home needs between 15 and 22 solar panels to cover 100% of its electricity usage.

Most homeowners need between 15-25 solar panels to power their entire home, but this number varies significantly based on your ...

Solar sizing isn't just about today: It's about building and planning for the next 10 to 20 years. This is the amount of power each panel can generate under ideal conditions (full ...

Learn how to size a solar system for your home. Here's our step-by-step guide on sizing a solar system that meets your energy needs.

Calculate exactly how many solar panels your home needs with our step-by-step 2025 guide. Most homes need 15-22 panels - find your exact number today.

Most residential systems in New York range from 7kW to 13kW. Additionally, the amount of power your panels produce is measured in kilowatt-hours (kWh).

Most homeowners need between 15-25 solar panels to power their entire home, but this number varies significantly based on your energy usage, location, and roof characteristics.

Web: <https://www.aides-panneaux-solaire.fr>

