



Size of Building Distribution Box

Explore standard panel sizes, applications, and key differences for residential, commercial, and industrial use.

Learn what a distribution box is, its types, and how to choose the right one for your project. Includes clear examples and expert tips.

Choosing the right electrical junction box size is crucial for safety and code compliance in your US projects. This guide helps you determine the correct dimensions based on wire fill capacity, ...

Choosing the right electrical box size is crucial for safety and efficiency. Consider the number of devices and future upgrades to avoid overcrowding. Single-gang boxes are ideal for one ...

Introduction
 Understanding The Components of A Distribution Box
 Selecting The Right Distribution Box
 Site Preparation and Location Requirements
 Electrical Connections and Wiring
 Compliance with Standards and Regulations
 Conclusion
 What Is a Distribution Box?
 A distribution box, also known as a power distribution unit, is a critical component in any electrical system. It is the control center for electricity in your home or business. It takes the electrical power coming into the building and distributes it to different circuits. Each circuit then powers various device...
 Why Proper Installation Matters
 Installing a distribution box correctly is about more than just making sure the lights turn on. It's about safety, efficiency, and reliability. A poorly installed distribution box can lead to a host of problems. These include electrical fires, short circuits, and even complete power failures. Proper installation ensures tha...
 See more on eabel
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.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_content #b_results
li.b_ad.b_adMiddle{margin-top:0;margin-bottom:16px}.b_ad
.b_floatR_img{padding-left:var(--mai-smtc-padding-card-nested-default)}#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_ad
li.b_adLastChild{margin-bottom:0}#b_results>li.b_ad{background-color:#fcfaf9}
#b_topw.b_results_eml>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_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}}.pa_carousel
.b_slideexp{margin-bottom:0}.pa_carousel .b_slideexp
.btn{z-index:8}.pa_carousel_mlo{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}#b_content .pa_carousel_mlo
.b_slidesContainer{width:100%}.b_poleContent:has(.pa_carousel_mlo){width:auto}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_ad .pa_carousel_ml
.b_adPATitleBlock{padding-left:0}.b_adPATitle{text-overflow:ellipsis;overflow:hidden;white-space:nowrap;
padding-right:var(--smtc-gap-between-content-medium);height:26px;font:var(--bing-smtc-text-global-subtitle
1-strong);color:var(--smtc-foreground-content-neutral-primary)!important;padding-bottom:var(--smtc-padding
-ctrl-sm-text-bottom)}.b_adPATitleBlock{padding-bottom:var(--smtc-gap-between-content-small)}.b_adPAT
itleBlock
.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
acf-badge{display:inline-flex!important}acf-badge{display:flex;align-items:center;inline-size:fit-content;max-
inline-size:100%;gap:var(--smtc-ctrl-badge-gap);padding-block-start:var(--smtc-ctrl-badge-sm-text-padding-to
p);padding-block-end:var(--smtc-ctrl-badge-sm-text-padding-bottom)}acf-badge,acf-badge::before,acf-badge::
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after,acf-badge                                *,acf-badge                                *::before,acf-badge
*::after{ box-sizing:border-box;margin:0;padding:0 } acf-badge,acf-badge
* { 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;flex-shrink:0;flex-grow:0 } acf-badge
span{ flex-shrink:1;white-space:nowrap;text-overflow:ellipsis;overflow:clip;max-block-size:calc(1*1lh) } acf-badge[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="AdSlugSize"]{ border:1px solid var(--bing-ads-smtc-ad-slug-stroke);border-radius:var(--bing-ads-smtc-ad-slug-corner);margin-inline-end:var(--smtc-gap-between-content-xxx-small);padding-inline:var(--smtc-padding-ctrl-text-side) } acf-badge[data-size="AdSlugSize"][data-weight="Default"]{ font:var(--bing-smtc-text-global-caption2);line-height:var(--bing-ads-smtc-ad-slug-line-height) } acf-badge[data-size="AdSlugSize"][data-weight="Heavy"]{ font:var(--bing-smtc-text-global-caption2-strong);line-height:var(--bing-ads-smtc-ad-slug-line-height) } acf-badge[data-style="AdSlug"]{ color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default) } acf-badge[data-style="AdSlug"][data-fill="AdSlugWhite"]{ background-color:var(--smtc-background-web-page-primary) } acf-badge[data-style="AdSlug"][data-fill="AdSlugTransparent"]{ background-color:transparent }.b_adChoice{ position:relative;width:12px;height:12px;text-indent:0;overflow:hidden;direction:ltr;transform:none;float:right }.b_adChoiceInline{ 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 } @media(forced-colors:active){ .b_adChoice{ filter:invert(1) } }.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,#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 .genserp_PA_title div.genserp_PA_adslug span.genserp_adSlug,.gs_embedded_label_container,.embedded_msan_ad_slug{ border:0;margin-right:0 }.b_acf_crs1 .slide.b_crs1itm>*:last-child,.b_acf_crs1 .b_slideexp,#b_topw .b_wpt_container .b_slidesContainer:has(.b_acf_crs1) .b_slidesContainer{ margin-bottom:unset }#b_topw .b_wpt_container:has(.b_acf_crs1) .b_viewport{ padding:unset }#b_topw .b_wpt_container .b_wpt_bl:has(.b_acf_crs1){ overflow:visible }.b_acf_crs1 .b_slidesContainer .slide.b_crs1itm{ overflow:unset }.b_acf_crs1 .btn.next .bg,.b_acf_crs1 .btn.prev .bg{ background:unset }.b_acf_crs1.hovexp .b_viewport,.b_acf_crs1.hovexp .b_slidebar,#b_pole #tob_container

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.b_acf_crsl.hovexp      .b_viewport{height:unset!important}#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_acf_crsl.b_fadebg.b_fadebg_theme
.btn.next      .bg{background:linear-gradient(90deg,var(--bing-smtc-ctrl-background-fade-stop-0)
0,var(--bing-smtc-background-card-on-primary-alt-rest)      20px)} .b_acf_crsl.b_fadebg.b_fadebg_theme
.btn.prev      .bg{background:linear-gradient(270deg,var(--bing-smtc-ctrl-background-fade-stop-0)
0,var(--bing-smtc-background-card-on-primary-alt-rest)      20px)} .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%)}[dir="rtl"]
.b_acf_crsl.b_fadebg.b_fadebg_theme      .btn.next
.bg{background:linear-gradient(270deg,var(--bing-smtc-ctrl-background-fade-stop-0)
0,var(--bing-smtc-background-card-on-primary-alt-rest)      20px)}[dir="rtl"]
.b_acf_crsl.b_fadebg.b_fadebg_theme      .btn.prev
.bg{background:linear-gradient(90deg,var(--bing-smtc-ctrl-background-fade-stop-0)
0,var(--bing-smtc-background-card-on-primary-alt-rest)      20px)} .b_acf_crsl.hovexp      .leftmost      .b_overlay
.b_viewport,.b_acf_crsl.hovexp      .leftrightmost      .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
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.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
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.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_crsl
.b_acf_card:focus-visible,.b_acf_crsl .b_acf_card.b_acf_kbd_focus{outline:2px solid
var(--smtc-ctrl-focus-outer-stroke);outline-offset:-3px;border-radius:var(--mai-smtc-corner-card-default);z-ind
ex:1}.b_acf_card{box-sizing:border-box;border-radius:var(--mai-smtc-corner-card-default);-webkit-user-selec
t:none;user-select:none;position:relative;width:100%;height:100%;position:relative}.b_acf_card.b_acf_bckgn
d{background:var(--bing-smtc-background-card-on-primary-alt-rest)}.b_acf_card_link{border-radius:var(--m
ai-smtc-corner-card-default);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}@media(forced-colors:activ
e){.b_acf_card_link{background-color:unset}.b_acf_card
.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 .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;bord
er-radius:var(--smtc-corner-ctrl-lg-rest);background:var(--bing-smtc-background-container);box-shadow:var(-
-smtc-shadows-floating-action-button-rest);fill:var(--smtc-foreground-content-neutral-secondary)}.acfdefaultc
hev .cr:hover{background:var(--smtc-ctrl-fab-background-hover)}.acfdefaultchev
.cr:active{background:var(--smtc-ctrl-fab-background-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_nochevshadow .acfdefaultchev .cr,.b_nochevshadow
.acfdefaultchev .cr:hover,.b_nochevshadow .acfdefaultchev .cr:active,.b_nochevshadow .acfdefaultchev
.cr:focus{background:none!important;box-shadow:none!important}.slide.b_crslitm.b_sldfitcont{width:fit-cont
ent}#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
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.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_content
.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
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.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
.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

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.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
.slide,#b_content .pa_carousel .slide,#b_context .pa_grid
.pa_item{border-radius:var(--mai-smtc-corner-card-default)!important;overflow:hidden}#b_pole
.pa_carousel_mlo{margin-right:0}#b_content .pa_carousel_mlo .pa_item.pa_vCard,#b_content .pa_carousel
.pa_item.pa_vCard{margin-bottom:0!important}#b_content .pa_carousel_mlo .pa_carousel
.slide{margin:var(--smtc-gap-between-content-xx-small) 0}#b_content .pa_carousel_mlo
.pa_carousel{margin:calc(-1*var(--smtc-gap-between-content-xx-small)) 0}#b_content .pa_carousel
.slide{margin:calc(var(--smtc-gap-between-content-xx-small) - var(--smtc-gap-between-content-xxx-small))
0}#b_results .pa_carousel_mlo .pa_carousel .b_slidebar .slide:first-child,#b_topw .pa_carousel_mlo
.pa_carousel .b_slidebar
.slide:first-child{margin-left:var(--smtc-gap-between-content-xxx-small)}.pa_item.pa_vCard{word-wrap:brea
k-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-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
```

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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_context .pa_item .b_attribution
cite,.pa_hover .b_attribution cite,.pa_item .b_footnote .pa_url cite,.pa_item .b_attribution cite,#b_rrat_cont
.pa_item .b_attribution cite,.pa_hover .b_attribution cite,.pa_item .b_footnote .pa_url
cite{ color:#111;opacity:.8}#bpage.b_drk .pa_item .b_footnote .pa_url
cite{ color:#d2d0ce }.pa_item.pa_vCard{ cursor:pointer} @supports(-webkit-line-clamp:2){ .b_adsTrunTx{ displ
ay:-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_hover{ background-color:var(--smtc-background
-web-page-primary);box-shadow:none;position:absolute;opacity:0;visibility:hidden;word-wrap:break-word;cu
rsor: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
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

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.pa_rebateText{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-sec
ondary-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(--mai-smtc-corner-card-default)}.pa_hover.ad_scpah.pa_animation{background-color:var(--smtc-b
ackground-card-on-primary-default-hover);box-shadow:var(--bing-smtc-shadows-card-hover-3);pointer-event
s: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(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default),background-color
var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default),box-shadow
var(--smtc-duration-medium-01)
var(--bing-smtc-animation-ease-default)}.pa_rating{white-space:nowrap;text-overflow:ellipsis;min-height:17
px}#b_results .pa_item .pa_ratingssmaller>span,#b_topw.b_results_eml .pa_item
.pa_ratingssmaller>span{transform:translateZ(0)}#b_results .pa_item .pa_ratingssmaller .sw_st,#b_results
.pa_item .pa_ratingssmaller .sw_sth,#b_results .pa_item .pa_ratingssmaller .sw_ste,#b_topw.b_results_eml
.pa_item .pa_ratingssmaller .sw_st,#b_topw.b_results_eml .pa_item .pa_ratingssmaller
.sw_sth,#b_topw.b_results_eml .pa_item .pa_ratingssmaller .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_results>.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_accentColor,#b_topw.b_results_eml>.b_ad
.b_accentColor,#b_rrat_cont>.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_rtcOLOR{color:#d32f2f;font-weight:bold;font-family:"Segoe
UI",Arial,Helvetica,Sans-Serif}.b_dark .csrc .sw_rtcOLOR{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_badge{position:absolu
te;background-color:var(--smtc-status-informative-tint-background);border-radius:var(--smtc-ctrl-badge-sm-c
orner);box-shadow:var(--smtc-shadows-tooltip);margin-left:var(--smtc-padding-ctrl-sm-horizontal-default)!im
portant;top:var(--smtc-padding-ctrl-text-top)!important}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-si
ze="Small"]:has(.acf-badge__favicon){padding-inline-start:var(--smtc-padding-ctrl-text-side)}acf-badge[data-
```

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size="Small"][data-weight="Default"]{font:var(--bing-smtc-text-global-caption2)}acf-badge[data-size="Small
"][data-weight="Heavy"]{font:var(--bing-smtc-text-global-caption2-strong)}acf-badge[data-style="Neutral"][
data-fill="Tint"]{color:var(--smtc-foreground-content-neutral-primary)}acf-badge[data-style="Neutral"][data-
fill="Priority"]{color:var(--bing-smtc-foreground-ctrl-on-image-switchable-rest);background-color:var(--bing-
smtc-status-informative-neutral-background)}.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}.b_acf_crsl .carousel_seemore .rtl .b_seemore_chev
svg{transform:scaleX(-1)}.b_acf_crsl
.carousel_seemore{display:flex;align-items:center;justify-content:center;width:64px}.b_acf_crsl
.carousel_seemore .b_moreLink{display:flex;padding:var(--bing-smtc-padding-ctrl-icon-only-text-top)
var(--bing-smtc-padding-ctrl-text-side-large) var(--bing-smtc-padding-ctrl-icon-only-text-bottom)
var(--bing-smtc-padding-ctrl-text-side-large);flex-direction:column;align-items:center;gap:var(--smtc-gap-insi-
de-ctrl-to-secondary-icon);text-decoration:none}.b_acf_crsl .carousel_seemore .b_moreLink
.b_seemore_chev{display:flex;width:40px;height:40px;justify-content:center;align-items:center}.b_acf_crsl
.carousel_seemore .b_moreLink .b_seemore_chev
svg{fill:var(--smtc-foreground-ctrl-on-transparent-rest);font-weight:bold;transition:transform
var(--smtc-duration-medium-01) var(--bing-smtc-animation-ease-default)}.b_acf_crsl .carousel_seemore
.b_moreLink
.b_call_txt{color:var(--smtc-foreground-ctrl-on-transparent-rest);font:var(--bing-smtc-text-global-caption1-str-
ong)}.b_acf_crsl .carousel_seemore .b_moreLink:hover
.b_seemore_chev{border-radius:var(--smtc-corner-ctrl-hover);background:var(--bing-smtc-background-ctrl-gh-
ost-hover)}.b_acf_crsl .carousel_seemore .b_moreLink:hover .b_seemore_chev
svg{width:20px;height:20px}.b_acf_crsl .carousel_seemore .b_moreLink:active
.b_seemore_chev{border-radius:var(--smtc-corner-ctrl-pressed);background:var(--bing-smtc-background-ctrl-
ghost-pressed)}.b_acf_crsl .carousel_seemore .b_moreLink:active .b_seemore_chev
svg{width:12px;height:12px}#slideexp0_3A4229 .slide:last-child { margin-inline-end: 0; }
#slideexp0_3A4229 .slide>*:last-child { margin-bottom: unset !important; } .b_acf_crsl #slideexp0_3A4229c
.b_slidebar .slide { box-shadow: unset; -webkit-box-shadow: unset; } .b_acf_crsl.hovexp
#slideexp0_3A4229c.b_slideexp .b_overlay .b_slidesContainer { overflow: visible !important; }
.b_acf_crsl.hovexp #slideexp0_3A4229c.b_slideexp .b_overlay .b_viewport, .b_acf_crsl.hovexp
#slideexp0_3A4229c.b_slideexp .b_viewport { padding-top: 12px !important; margin-top: -12px !important;
padding-bottom: 12px !important; margin-bottom: -12px !important; } .b_acf_crsl.hovexp
#slideexp0_3A4229c.b_slideexp .b_overlay .b_viewport { padding-bottom: 24px !important; margin-bottom:
-24px !important; }SponsoredSee Size of Building Distribution BoxPower Distribution Box - Standard -
...ULINE$795.00Power Distribution Box - Standard - ULINE

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In this guide, I'll walk you through a practical, step-by-step process to size your distribution box based on

Size of Building Distribution Box

actual load current. We'll cover everything from understanding your circuits to planning for future ...

Choosing the right electrical junction box size is crucial for safety and code compliance in your US projects. This guide helps you determine the correct ...

How do I choose the right size distribution box? Size selection depends on the number of circuits needed, current ratings, and future expansion plans. Calculate the total electrical load and ...

Choosing the right distribution box isn't one-size-fits-all. You need to consider where it will be used, how much power it needs to handle, and how well it's built to last.

NEC#174; Reference stallation and use of boxes. The article includes table references that guide the electrician in the selection of the proper box size necessary to safely accommodate ele trical service ...

This guide explains standard electrical box dimensions by type, compares common sizes, and helps you select the right box for residential, commercial, and light industrial applications.

The size of a distribution box depends on your circuit capacity and power requirements. For residential spaces, smaller boxes with 4 to 16 circuits may suffice, while commercial and ...

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