



# Domestic energy storage cabinet certification

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The North American Board of Certified Energy Practitioners (NABCEP) is excited to announce that our collaborations with the CREATE Energy Center and the Midwest Renewable Energy Association ...

The types of certifications required for domestic energy storage systems vary depending on numerous factors, including type of installation, geographical location, and specific products used.

Learn about the certification processes and standards for energy storage systems, ensuring compliance and safety in the energy storage industry.

Certificate of Approval (COA): If the application meets all applicable NYC requirements, a Citywide COA will be issued authorizing the use of the product throughout New York City.

Safety Testing and Certification For Energy Storage SystemsUnderstanding UI 9540 and Ess CertificationEss Performance and Reliability TestingMarking For Energy Storage SystemsCustom Research of Energy Storage SystemsLarge batteries present unique safety considerations, because they contain high levels of energy. Additionally, they may utilize hazardous materials and moving parts. We work hand in hand with system integrators and OEMs to better understand and address these issues. See more on ul #b\_results .b\_vidAns{border-radius:6px;box-shadow:0 0 1px rgba(0,0,0,.05);padding:16px 20px;gap:10px;background:#fff}@charset "UTF-8";#b\_results .b\_ans.b\_vidAns{box-shadow:none!important;padding:var(--smtc-gap-between-content-medium) 0!important;background:var(--bing-smtc-background-ctrl-fade-on-image-stop-0)}#b\_results #serpvidans.vsaf .mc\_vtvc,#b\_results #serpvidans.vsaf .mc\_vtvc\_th,#b\_results #serpvidans.vsaf .cico,#b\_results #serpvidans.vsaf .mc\_vtvc\_htb,#b\_results #serpvidans.vsaf .vrhc,#b\_results #serpvidans.vsaf .vrhcp,#b\_results #serpvidans.vsaf .vrhtc,#b\_results #serpvidans.vsaf .vrhtpc{border-radius:var(--mai-smtc-corner-list-card-default)}#b\_results #serpvidans.vsaf .mmlist .mc\_vtvc,#b\_results #serpvidans.vsaf .mmlist .mc\_vtvc .mc\_vtvc\_meta{margin:0}#b\_results #serpvidans.vsaf .mmlist .mc\_vtvc .mc\_vtvc\_meta .mc\_vtvc\_meta\_channel,#b\_results #serpvidans.vsaf

```
.mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_row_channel{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf,#serpv
idans.vsacf .expctn .expbody,#serpvidans.vsacf
.mmlist{display:flex;flex-direction:column;gap:var(--smtc-gap-between-content-medium)}#serpvidans.vsacf
.cico{height:auto}#serpvidans.vsacf .mc_vtvc_ban_lo{top:0;right:auto}#serpvidans.vsacf .mc_cwvc .mc_vtvc
.mc_vtvc_meta,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta{height:auto;padding:var(--smtc-gap-between-content-xx-small) 0
var(--smtc-gap-between-content-xx-small)
var(--smtc-gap-between-content-medium);display:flex;flex-direction:column;justify-content:space-between}#
serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_title,#serpvidans.vsacf .mmlist .mc_vtvc
.mc_vtvc_meta
.mc_vtvc_title{color:var(--smtc-ctrl-link-foreground-brand-rest);font:var(--bing-smtc-text-global-body2);heig
ht:auto;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#serpvidans.vsacf .mc_cwvc
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block{display:flex;flex-direction:column;gap:var(--smtc-padding-ctrl-text-side)}#serpvidans.
vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area .mc_vtvc_meta_row,#serpvidans.vsacf
.mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row,#serpvidans.vsacf .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block_area .mc_vtvc_meta_row,#serpvidans.vsacf .mmlist
.mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block
.mc_vtvc_meta_row{color:var(--smtc-foreground-content-neutral-primary);height:var(--mai-smtc-padding-car
d-default);font:var(--bing-smtc-text-global-caption1)}#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf
.mc_cwvc .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
.mc_vtvc_meta_row_channel::before,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before,#serpvidans.vsacf
.mmlist .mc_vtvc .mc_vtvc_meta .mc_vtvc_meta_block .mc_vtvc_meta_row
.mc_vtvc_meta_row_channel::before{content:" . " }#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mc_cwvc .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area .mc_vtvc_meta_pubdate,#serpvidans.vsacf .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block
.mc_vtvc_meta_pubdate{color:var(--bing-smtc-foreground-content-neutral-tertiary);padding-bottom:0}.vsacf
.mc_cwvc .mc_vtvc_con_rc,.vsacf .mmlist .mc_vtvc_con_rc{display:flex}.vsacf .mc_cwvc .mc_vtvc_con_rc
.mc_vtvc_meta_w,.vsacf .mmlist .mc_vtvc_con_rc .mc_vtvc_meta_w{height:auto}.vsacf
.b_title{padding-left:0}.vsacf .b_title
.mmtitle{font:var(--bing-smtc-text-global-subtitle1-strong);margin-bottom:0}.vsacf .b_title .mmtitle
a::after{content:"";margin:5px 5px 0 0;border-top:2px solid
var(--smtc-foreground-content-neutral-primary);border-right:2px solid
var(--smtc-foreground-content-neutral-primary);background-size:7px
```

7px;width:7px;height:7px;transform:rotate(45deg);display:inline-block;margin-left:4px}#serpvidans.vsacf  
.b\_title .mmtitle{margin-bottom:0}#serpvidans.vsacf .b\_title .mmtitle  
a{color:var(--smtc-foreground-content-neutral-primary)}#serpvidans.vsacf .cardless.mmlist  
.mc\_vtvc\_con\_rc,#serpvidans.vsacf .cardless.mmlist .mc\_vtvc\_th{height:auto}#serpvidans.vsacf  
.vsb\_tr\_c.va\_tt{margin:0}#serpvidans.vsacf .vtbc .mv\_vtvc\_play,#serpvidans.vsacf .vtbc  
.mv\_vtvc\_play\_ext{position:static}#serpvidans.vsacf .va\_tt  
.mc\_vtvc\_ban\_lo{display:block}#serpvidans.vsacf  
.mc\_bc{width:auto;border-radius:var(--smtc-ctrl-badge-sm-corner);padding:var(--smtc-padding-ctrl-text-side)  
var(--smtc-gap-between-content-xx-small)}#serpvidans.vsacf .rmts .mc\_bc  
ems{display:none}#serpvidans.vsacf a.vsb\_tr\_t{color:var(--smtc-foreground-content-neutral-primary)}.vsacf  
.va\_tt .vsb\_tr\_chd .mc\_vtvc\_th\_dock.rmoverlay{height:36px}.vsacf .va\_tt .vsb\_tr\_chd  
.mc\_vtvc\_th\_dock{height:92px;background:linear-gradient(180deg,var(--bing-smtc-background-ctrl-fade-on-i  
image-stop-0) 0%,var(--mai-smtc-background-ctrl-on-image-rest) 100%)}#serpvidans.vsacf .va\_tt a.vsb\_tr\_t{padding:0  
0;font:var(--bing-smtc-text-global-body-2-alt-strong)}.vsacf .va\_tt .vsb\_tr\_chd .mc\_vtvc  
.mc\_vtvc\_meta,.vsacf .va\_tt .vsb\_tr\_chd .mc\_vtvc  
.mc\_vtvc\_title{color:var(--mai-smtc-foreground-ctrl-on-image-rest)}.vsacf  
span.vcmt\_ctt{font:var(--bing-smtc-text-global-caption2);margin:var(--smtc-gap-between-content-xx-small) 0  
0;height:16px}#serpvidans.vsacf .vsb\_tr\_chd .mc\_vtvc\_tot .mc\_vtvc\_title  
strong{font-size:14px;line-height:20px;display:unset}#serpvidans.vsacf .va\_tt .b\_slldr  
.slide:not(:first-child){margin-left:var(--smtc-gap-between-content-small)}#serpvidans.vsacf .va\_tt  
.vsb\_tr\_chd .mc\_vtvc  
.mc\_vtvc\_title{white-space:normal;display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}#se  
rpvidans.vsacf .b\_module\_expansion\_control .b\_btnContainer  
.b\_CompactExpansion{background-color:var(--bing-smtc-background-ctrl-neutral-rest);display:flex;justify-co  
ntent:center;align-items:center;gap:4px;width:fit-content;height:auto;padding:8px 12px}#serpvidans.vsacf  
.b\_module\_expansion\_control .b\_btnContainer .b\_CompactExpansion  
.b\_CompactExpansionBtnText{font:var(--bing-smtc-text-global-caption1-strong);color:var(--bing-smtc-foregr  
ound-ctrl-neutral-primary-alt-rest)}#serpvidans.vsacf .b\_module\_expansion\_control .b\_btnContainer  
.b\_CompactExpansion .b\_arrow{display:flex;margin:0;height:auto}#serpvidans.vsacf  
.b\_module\_expansion\_control .b\_btnContainer .b\_CompactExpansion .b\_arrow  
path#Shape{fill:var(--bing-smtc-foreground-ctrl-neutral-primary-alt-rest)}#serpvidans.vsacf  
.b\_module\_expansion\_control  
.b\_btnContainer::after{content:"";position:absolute;width:100%;bottom:20px;left:0;height:1px;border-radius:  
1px;background:var(--smtc-stroke-ctrl-on-neutral-rest)}#b\_results  
.b\_ans.b\_vidAns{box-shadow:none;padding:12px 20px 0}#b\_results .b\_ans.b\_vidAns  
.vasac{padding:unset;margin:0}#b\_results .b\_ans.b\_vidAns .vsa .b\_attribution{padding-bottom:0}#b\_results  
.b\_ans.b\_vidAns .cardless .salink{margin:0}#b\_results .b\_ans.b\_vidAns .mmlist  
.mc\_vtvc{margin-top:10px}#b\_results .b\_ans.b\_vidAns .mmlist .mc\_vtvc  
.mc\_vtvc\_meta{display:flex;flex-direction:column;justify-content:space-between;margin:0 10px 4px  
12px}#b\_results .b\_ans.b\_vidAns .mmlist .mc\_vtvc .mc\_vtvc\_meta  
.mc\_vtvc\_meta\_channel{color:#111}#b\_results .b\_ans.b\_vidAns .mmlist .mc\_vtvc .mc\_vtvc\_meta

```
.mc_vtvc_meta_row_channel,#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area{color:#666}#b_results .b_ans.b_vidAns .mmlist .mc_vtvc .mc_vtvc_meta
.mc_vtvc_meta_block_area{bottom:0;height:unset}.b_dark .vsa.cardless
.mc_vtvc{background-color:unset}.b_CompactExpandText{display:inline}#serpvidans
.b_module_expansion_control{padding-bottom:0}#serpvidans .b_module_expansion_control
.b_CompactExpansion{height:40px;line-height:40px;bottom:-6px;padding-left:20px;padding-right:20px;bord
er-radius:20px;z-index:6}#serpvidans .b_module_expansion_control
.b_CompactExpansionBtnText{line-height:40px}#serpvidans .b_title .b_topTitle,#serpvidans .mc_vtvc
.mc_vtvc_title{margin-bottom:0}#serpvidans
.mc_vtvc_meta_pubdate{padding-bottom:0}#serpvidans{position:relative;--va-expbody-padding:0 0
24px;--va-ptop:0px;--va-pbop:0px}#serpvidans
.expbody{overflow-x:visible!important;overflow-y:clip!important;box-sizing:border-box;padding:var(--va-ex
pbody-padding)}#serpvidans.ssize .expbody{max-height:calc(375px - var(--va-ptop) -
var(--va-pbop))}#serpvidans.msize .expbody{max-height:calc(535px - var(--va-ptop) -
var(--va-pbop))}#serpvidans.lsize .expbody{min-height:536px}#serpvidans .b_removeShadow
.expbody{max-height:unset}#serpvidans .b_removeShadow .expbody .grad,#serpvidans .b_removeShadow
.expbody .expext{display:none}#b_results
.b_ans.b_vidAns{--va-ptop:16px;--va-pbop:0px;--va-pleft:20px;--va-pright:20px;border-radius:6px;box-shado
w:0 0 0 1px rgba(0,0,0,.05);padding:var(--va-ptop) var(--va-pright) var(--va-pbop)
var(--va-pleft);margin-bottom:30px;gap:10px}#b_results .b_ans.b_vidAns .b_moreLink{padding:9px 0 0
0}.mmtitle>a{display:block}.mc_fh{height:100%;border-radius:6px}.mc_tc_bs{overflow:hidden}.mmlist
.mc_vtvc .mc_vtvc_meta { padding: 12px 16px 16px 16px; } .mmlist .mc_vtvc .mc_vtvc_meta_w { height:
112px; margin-top: -0px; } .mmlist .mc_vtvc .mc_vtvc_title { height: 44px; line-height: 22px; margin-bottom:
0px; margin-top: 0px; } .mmlist .mc_vtvc .mc_vtvc_meta_block_area { height: 40px; } .mmlist .mc_vtvc
.vtmu, .mmlist .mc_vtvc .vtpl { bottom: 120px; } .mmlist .mc_vtvc_th_dock { height: 112px; } .mmlist
.mc_vtvc_th .cico { height: 131px; } .mc_vtvc{background-color:#fff;box-shadow:0 0 0 1px
rgba(0,0,0,.05);line-height:0;margin:0;position:relative;border-radius:6px;overflow:hidden}.mc_vtvc.noshado
w{box-shadow:none}.mc_vtvc_con_rc{border-radius:6px;overflow:hidden;position:relative}.mc_vtvc>a{colo
r:#71777d;display:block;text-decoration:none;width:100%}.mc_vtvc>a:focus::after{outline:2px solid
#00a89d;width:100%;height:100%;content:"";outline-offset:-2px;position:absolute;top:0;left:0}.mc_vtvc_th{ba
ckground-color:#d5d5d5;position:relative}.mc_vtvc_th
.cico{border-radius:0}.mc_vtvc_ban_lo,.mc_vtvc_ban_up{position:absolute;vertical-align:middle}.mc_vtvc_
ban_lo{bottom:0}.mc_vtvc_ban_up{top:0}.mc_vtvc_title{font-weight:normal;margin-bottom:11px;overflow:
hidden;color:#111;height:54px;line-height:18px}.mc_vtvc_title
a{display:inline-block;color:#111}.mc_vtvc_title
a:hover{text-decoration:underline}.mc_vtvc_src_ico{float:left;margin-right:4px}.mc_vtvc_act{height:16px;m
argin-top:-40px;padding:12px
8px;z-index:1}.mc_vtvc_actc{right:16px;bottom:16px;position:absolute;display:inline-block;z-index:1}.mc_v
tvc_act_sep{border-top:1px solid #d5d5d5;height:40px;margin:0 8px}.mc_vtvc_fh
.mc_vtvc_act_sep,.mc_vtvc_fh .mc_vtvc_act{visibility:hidden}#serpvidans
.b_topTitle{margin-bottom:8px}.mc_vtvc_htc{width:100%;height:100%;position:absolute;top:0;bottom:0;left
```



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:0;right:0}.mc_vtvc_htb{width:100%;height:100%;background:rgba(0,0,0,.7);position:absolute;top:0;bottom:
0;left:0;right:0}.mc_vtvc_ht{width:100%;padding:0
16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-box;vert
ical-align:middle;text-align:center}.mc_vtvc_th_live_b{background-color:#c80000;color:#fff;display:inline-bl
ock;padding:2px
8px;font:11px/14px
Arial;border-radius:2px;text-transform:uppercase;height:15px;width:26px;position:absolute;left:8px;top:110p
x}.isvctrl
.isv
.mc_vtvc_ban_up{left:0;right:initial}.mc_vtvc_ban_lo,.mc_vtvc_ban_up{right:0}.vt_text.b_IRight
.b_ILeft{margin:0
0
0
1px;height:14px;line-height:14px;padding:2px
8px;background:rgba(0,0,0,.75);border-radius:2px;font-weight:bold}.mc_vthtb{width:100%;height:100%;bac
kground:rgba(0,0,0,.7);position:absolute;top:0;bottom:0;left:0;right:0;display:table}.mc_vtht{width:100%;pad
ding:0
16px;line-height:16px;color:#fff;text-decoration:underline;word-break:break-word;box-sizing:border-box;vert
ical-align:middle;text-align:center;display:table-cell}.vt_text.b_IRight
.b_ILeft{margin:0
0
0
1px;height:14px;line-height:14px;padding:2px
8px;background:rgba(0,0,0,.75);border-radius:2px;font-weight:bold}.emptyStyleForDebuggingPurpose{top:0
}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_center_play{width:32px;height:32px;background-size:c
ontain;position:absolute;margin:auto;bottom:0;top:0;left:0;right:0;box-shadow:none;border-radius:0}.mc_vtvc
_center_play.rmvbg{width:32px;height:32px;background-image:none}.mc_vtvc_htb,.mc_vtvc_ht{display:no
ne}.vt_onhv
.mc_vtvc_htb{display:table}.vt_onhv
.mc_vtvc_ht{display:table-cell}.mc_vtvc_center_play{display:inline-block}.vt_onhv
.mc_vtvc_center_play{display:none}.mc_vtvc
.vtmu,.mc_vtvc
.vtpl{bottom:163px}.vsarf
.mc_vtvc
.vtmu,.vsarf
.mc_vtvc
.vtpl{bottom:122px}.svarh
#mmcar
.mc_vtvc
.vtmu,.svarh
#mmcar
.mc_vtvc
.vtpl{bottom:137px}.svarht
#mmcar
.mc_vtvc
.vtmu,.svarht
#mmcar
.mc_vtvc
.vtpl{top:8px;left:8px}.mc_vtvc_center_play{background-image:url(data:image/svg+xml,%3Csvg%20width
%3D%2232%22%20height%3D%2232%22%20viewBox%3D%220%200%2032%2032%22%20fill%3D%22
none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%20%20%20%20%3Cr
ect%20width%3D%2232%22%20height%3D%2232%22%20rx%3D%2216%22%20fill%3D%22black%22%
20fill-opacity%3D%220.6%22%2F%3E%0D%0A%20%20%20%20%3Cpath%20d%3D%22M14.2354%201
0.1923C13.2355%209.62986%2012%2010.3524%2012%2011.4997V20.5C12%2021.6472%2013.2355%202
2.3698%2014.2354%2021.8073L22.2356%2017.3073C23.2551%2016.7339%2023.2551%2015.2661%2022.
2357%2014.6926L14.2354%2010.1923Z%22%20fill%3D%22white%22%20fill-opacity%3D%220.9%22%2
F%3E%0D%0A%3C%2Fsvg%3E)}.mmlist
.mc_vtvc{margin:10px
1px
0}.mmlist
.mc_vtvc_con_rc{display:flex}.cardless
.mmlist
.mc_vtvc_con_rc{height:112px}.mmlist
.mc_vtvc
.mc_vtvc_meta{display:flex;flex-direction:column;justify-content:space-between;margin:0
10px
4px
12px;padding:0}.mmlist
.mc_vtvc_title{font-weight:400;font-size:16px;height:44px;line-height:22px;margin-bottom:0;margin-top:0;c
olor:unset}.mmlist
.mc_vtvc_meta_row{font-size:13px}.mmlist
.mc_vtvc
.mc_vtvc_meta_block_area{height:unset}.mmlist
.mc_vtvc
.vtmu,.mmlist
.mc_vtvc
.vtpl{bottom:8px}.cardless
.mmlist
.mc_vtvc{box-shadow:none}.cardless.mmlist
.mc_vtvc_center_play{width:32px;height:32px}.cardless.mmlist

```

```
.mc_vtvc_title{font-size:16px;color:unset}.cardless.mmlist
.mc_vtvc_meta_row{line-height:20px}.cardless.mmlist
.mc_vtvc_meta_pubdate{padding-bottom:2px;color:#666}.cardless.mmlist .mc_vtvc_th,.cardless.mmlist
.mc_vtvc_th .cico,.cardless.mmlist .mc_vtvc_th div.rms_img{border-radius:6px}.cardless.mmlist
.mc_vtvc_th{height:111px}.cardless.mmlist
.mc_vtvc_htc{border-radius:6px;overflow:hidden}#serpvidans.vasac.cardless{box-shadow:none}.cardless.m
mmlist .mc_bc{padding:2px 8px;line-height:14px;border-radius:2px;font-weight:normal}.mmlist
.mc_vtvc: hover
.mc_vtvc_title{text-decoration:underline}.mc_vtvc_meta{box-sizing:border-box;display:inline-block;line-hei
ght:18px;position:relative;width:100%}.mc_vtvc_meta_block{bottom:0;position:absolute;width:100%}.mc_v
tvc_meta_row{line-height:16px;font-size:11px;height:17px;overflow:hidden;text-overflow:ellipsis;white-spac
e:nowrap}.mc_vtvc_meta_row a{display:inline-block}.mc_vtvc_meta_row a:hover{text-decoration:underline}.mc_vtvc_meta_block_area{position:relative}.mc_vtvc_meta_block,.mc_v
tvc_meta_block a{color:#444}.b_dark
.mc_vtvc_meta_block{color:#edebe9}.mc_vtvc_meta_row>:nth-of-type(n+2)::before{content:"
"}.mc_vtvc_meta_row .mc_vtvc_meta_row_channel::before{content:"
"}.mc_vtvc_kmt_title{line-height:18px;padding-bottom:4px;font-weight:bold;color:#00809d;text-transform:u
ppercase;font-size:11px}.mc_vtvc_kmt,.mc_vtvc_con_rc.onhov .wkmt
.mc_vtvc_meta_row,.mc_vtvc_con_rc.onhov .wkmt .tbc_tt{display:none}.mc_vtvc_con_rc.onhov .wkmt
.mc_vtvc_title{max-height:18px;margin-bottom:18px;overflow:hidden}.mc_vtvc_con_rc.onhov.mmsts
.mc_vtvc_title{visibility:hidden}.mc_vtvc_con_rc.onhov
.mc_vtvc_kmt{display:block}.mc_vtvc_kmt_content
.b_factrow{line-height:17px;font-size:11px;max-height:34px;overflow:hidden;text-overflow:ellipsis;padding:
0 16px 0 0;color:#444}.mc_vtvc_meta
.mc_vtvc_kmt_title{line-height:18px}.mc_vtvc_title: hover{text-decoration:none}.mc_vtvc_meta_pubdate{co
lor:#444;padding-bottom:3px}.mc_vtvc_meta_channel{color:#444}.mc_vtvc_meta_w,.mc_vplvc_meta_w{po
sition:relative}.mc_vtvc_meta_bg_w,.mc_vplvc_meta_bg_w{height:100%;width:100%;overflow:hidden;posit
ion:absolute;top:0}.mc_vtvc_meta_bg_w .cico,.mc_vplvc_meta_bg_w
.cico{border-radius:0;overflow:visible}.dg_u .mm_vidch_th_c{overflow:visible}.dg_u .mm_vidch_th_bg
img{margin-top:-20px}.emptyStyleForDebuggingPurpose{top:0}.mc_vtvc_meta_w
.mc_vtvc_meta{background:rgba(255,255,255,.75)}.mc_vtvc_meta_bg_w img,.mc_vtvc_meta_bg_w
.mc_vtvc_cb_w{filter:blur(25px);transform:scale(1.2)}body{--video-metadata-channel-color:#3c3c3c}body.b
_dark{--video-metadata-channel-color:unset}.vsarf .mc_vtvc_meta_pubdate{color:unset}.vsarf
.mc_vtvc_meta_channel{color:var(--video-metadata-channel-color)}.vsarf .mc_vtvc .mc_vtvc_meta_w
.mc_vtvc_title,.vsarf .mc_vtvc .mc_vtvc_meta_w .mc_vtvc_title strong{font-weight:bold}.vsarf
.mc_vtvc_meta_w .mc_vtvc_meta_row{font-size:13px}.emptyStyleForDebuggingPurpose{top:0}.vsarf
.mc_vtvc_th
.cico{height:132px}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.empt
yStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurp
ose{top:0}.emptyStyleForDebuggingPurpose{top:0}.emptyStyleForDebuggingPurpose{top:0}.vtbc
.mv_vtvc_play{display:inline-block;position:absolute;bottom:8px;left:9px;height:8px;width:7px}.vtbc
```

```
.mv_vtvc_play_ext{background:url(/rp/Lp38sn_O4jegSK0IHxZVxyp-yKQ.png) -172px
-31px;display:inline-block;height:8px;width:12px;position:absolute;bottom:8px;left:6px}.vtbc
.pivot{height:20px;width:8px;min-width:8px}.vtbc
.mv_vtvc_play{background:url(
MAAADHKvg1AAAIVBMVEX//////////9/gMdvAAAACnRSTIMAETNEVWaImbv
uo4D1oAAAAB9JREFUCB1jmMoABKuaQcSqQhCxCkGFGgLhNQIkpQAwA8zkLyQA16F0AAAASUVO
RK5CYII=)}.mc_bc_w{height:18px;padding:8px;text-align:right}.mc_bc{background-color:rgba(0,0,0,.75);p
adding:2px
8px;line-height:14px;color:#fff;display:inline-block;vertical-align:middle;border-radius:2px;font-weight:bold}
.mc_bc_w .pivot{text-align:center;margin-right:1px;height:14px}.vsarr .mmgrid .mc_bc_w
.mc_bc{background-color:rgba(0,0,0,.75);opacity:1}.mmsi{height:16px;width:16px;position:relative;top:5px;
padding-right:var(--smtc-gap-between-content-xx-small)}.mmsi-microsoftnews,.mmsi-msn{top:3px}.vrhdata
{display:none}.mmgrid>div{width:197px;display:inline-block;margin-right:8px;margin-bottom:8px;box-shad
ow:0 0 0 1px
rgba(0,0,0,.05);position:relative;vertical-align:top;overflow:hidden;white-space:normal;border-radius:6px}.vs
arr .mmgrid>div,.vsarr1stbig .mmgrid>div{margin-right:8px;margin-bottom:8px}#serpviansrr .mc_vtvc
.mc_vtvc_meta{height:auto}#serpviansrr .mc_vtvc
.mc_vtvc_title{display:-webkit-box;-webkit-line-clamp:2;-webkit-box-orient:vertical}.mmgrid
.mc_tc{border:0}.vsa .mmgrid>div:nth-child(3n){margin-right:0}.vsa
.b_moreLink{padding-top:4px}#serpviansrr
.mc_vtvc_meta_row{line-height:18px;font-size:100%;height:17px}.vsarr
.mmgrid>div:nth-child(2n){margin-right:0}#serpviansrr .mc_vtvc .vtmu,#serpviansrr .mc_vtvc
.vtpl{bottom:128px}.vsarr1stbig .mmgrid>div:nth-child(2){margin-right:0}#serpviansrr.uipolish
.mc_vtvc_meta_pubdate,#serpviansrr.uipolish .mc_vtvc_meta_channel,#serpviansrr.uipolish #vidans2
.b_videocard .video_metadata .video_source{color:#767676}#serpviansrr #vidans2 .b_videocard
.video_metadata_container,#serpviansrr #vidans2 .b_videocard .video_metadata_container
.video_metadata>h3{width:100%}@media(max-width:1362.9px){#serpviansrr
.mmgrid>div{width:168px;height:206px}#serpviansrr .mmgrid>div .cico,#serpviansrr .mmgrid>div .cico
.rms_img{width:168px;height:100px}#serpviansrr .mc_vtvc .mc_vtvc_meta{padding:12px}#serpviansrr
.mc_vtvc .mc_vtvc_title{height:32px;line-height:16px;margin-bottom:16px}#serpviansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:34px}#serpviansrr
.mc_vtvc_meta_row{line-height:15px;font-size:13px;height:15px}#serpviansrr
.mc_vtvc_meta_pubdate{padding-bottom:4px}#serpviansrr .mc_vtvc .vtmu,#serpviansrr .mc_vtvc
.vtpl{bottom:114px}#serpviansrr #vidans2 .b_videocard .videoPlayer,#serpviansrr #vidans2 .b_videocard
.videoPlayer .cico,#serpviansrr #vidans2 .b_videocard .videoPlayer .cico
.rms_img{width:343px!important;height:194px!important;margin-right:0} @media(max-width:1274.9px){#s
erpvidansrr .mmgrid>div{width:124px;height:164px}#serpviansrr .mmgrid>div .cico,#serpviansrr
.mmgrid>div .cico .rms_img{width:124px;height:76px}#serpviansrr .mc_vtvc
.mc_vtvc_meta{padding:8px}#serpviansrr .mc_vtvc
.mc_vtvc_title{height:32px;line-height:16px;margin-bottom:12px}#serpviansrr .mc_vtvc
.mc_vtvc_meta_block_area{height:28px}#serpviansrr
```

```
.mc_vtvc_meta_row{line-height:13px;font-size:11px;height:13px}#serpvidansrr
.mc_vtvc_meta_pubdate{padding-bottom:2px}#serpvidansrr .mc_vtvc .vtmu,#serpvidansrr .mc_vtvc
.vtpl{bottom:96px}#serpvidansrr #vidans2 .b_videocard .videoPlayer,#serpvidansrr #vidans2 .b_videocard
.videoPlayer .cico,#serpvidansrr #vidans2 .b_videocard .videoPlayer .cico
.rms_img{width:256px!important;height:144px!important;margin-right:0}#serpvidansrr .maskthumb
.mc_bc_w{padding:8px 4px 4px 8px}#serpvidansrr.withsplitline
.mmgrid>div:nth-last-child(1),#serpvidansrr.withsplitline
.mmgrid>div:nth-last-child(2){margin-bottom:24px}#serpvidansrr.withsplitline .mmgrid{border-bottom:1px
solid #ecec;#margin-bottom:16px}#serpvidansrr #vidans2 .b_videocard
.video_metadata{max-width:auto;padding:12px 16px}#serpvidansrr #vidans2
.b_videocard{margin-bottom:12px;box-shadow:0 0 1px rgba(0,0,0,.05),0 2px 3px
rgba(0,0,0,.1);border-radius:6px}#serpvidansrr .b_rich{padding-top:0}#serpvidansrr #vidans2
.videoPlayer{border-radius:6px 6px 0 0;overflow:hidden}#serpvidansrr #vidans2 .b_videocard
.video_metadata>h3{white-space:nowrap;overflow:hidden;text-overflow:ellipsis;-webkit-line-clamp:1;line-he
ight:15px;height:15px;font-size:13px;color:#000;margin-bottom:20px;font-family:"Arial",Helvetica,Sans-Seri
f;font-style:normal;display:block}#serpvidansrr.vsarr1stbig #vidans2 .b_videocard .video_metadata
.actionmenu{display:none}#serpvidansrr #vidans2 .b_videocard .video_summary,#serpvidansrr #vidans2
.b_videocard .video_source{line-height:15px}#serpvidansrr #vidans2 .b_videocard .videoPlayer
.vtbc{right:0}.vrhc line.nhvpv .pffvi,.vrhc line.nhvpv[data-tps="S"] .pffvt,.vrhc line.nhvpv[data-tps="M"]
.pffvt,.vrhc line.nhvpv[data-tps="L"] .pffvt{display:inline-flex}.vrhc line.nhvpv .vrhct.pffv
.vrhc{display:none}.vrhc line.nhvpv .vrhct.pffv
.player_ol{background:var(--mai-smtc-background-ctrl-on-image-hover);transition:background-color
.5s;display:flex;align-items:center;justify-content:center;padding:var(--smtc-gap-between-content-x-small);ga
p:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.mc_vtvc_th img{transition:all .3s
ease-out}.nhvpv+.mc_vtvc_th
img{transform:scale(1.1)}.smtplayerhtml5{height:100%;width:100%;overflow:hidden}.smtplayerhtml5
video{min-height:100%;min-width:100%}.smtplayerhtml5
.videoplaying{background-color:#000}.smtplayerhtml5.hide{display:none}.pffvt{display:none;color:var(--ma
i-smtc-foreground-ctrl-on-image-rest);font:var(--bing-smtc-text-global-subtitle2-strong)}.pffvi{mask:url(/rp/ui
07wU6K7FR_inzG7DRbP1i8fGo.svg) center
no-repeat;mask-size:12px;background:var(--bing-smtc-background-card-on-image-default);width:20px;height
:20px;flex-shrink:0;align-self:flex-start}[data-tps="L"]
.pffvt{font:var(--bing-smtc-text-global-subtitle2-strong)}[data-tps="L"]
.pffvi{width:22px;height:22px;mask-size:16px}[data-tps="S"] .pffvt{font-size:0}[data-tps="S"]
.pffvi{width:24px;height:24px;mask-size:24px;align-self:center}.hvpv.h5s
.pffvt{display:inline-flex}.hvpv.h5s .vrhct.pffv .vrhc{display:none}.hvpv.h5s .vrhct.pffv
.player_ol{background:var(--mai-smtc-background-ctrl-on-image-hover);transition:background-color
.5s;display:flex;align-items:center;justify-content:center;padding:var(--smtc-gap-between-content-x-small);ga
p:var(--smtc-gap-between-content-x-small);box-sizing:border-box}.pffvt{text-decoration:underline}.vrhc
.vrhc{position:absolute;width:100%;height:35px;max-height:35px;bottom:0;left:0;padding:0;background:non
e;display:block;z-index:9}.vrhc .vrhc.hide,.vrhc .vrhc .vrhc
```

```
.hide{display:none}.vrhot{white-space:nowrap;text-overflow:ellipsis;overflow:hidden;display:inline-block;position:absolute;max-width:240px;height:18px;line-height:14px;margin-left:8px;top:10px;left:0;right:0;border-radius:2px;padding-right:8px}.vrhot div{display:inline-block}.vrhot nt{color:#fff;font-size:11px;font-weight:bold;background-color:rgba(0,0,0,.75);padding:2px 8px;margin-left:0;top:0;box-sizing:border-box;position:relative}.vrhc .ricons{position:absolute;right:8px;top:10px;left:auto;bottom:auto;height:18px;display:inline-block;cursor:pointer}.vrhol.icons_1 .vrhot{margin-right:27px}.vrhol.icons_2 .vrhot{margin-right:49px}.vrhol.icons_3 .vrhot{margin-right:79px}.vrhol .vrhot .vsb_tr_chd .vrhol.icons_1 .vrhot{margin-right:0}.vpb{position:absolute;display:block;bottom:0;left:0;height:4px}.vpb div{position:absolute}.vpb nt{width:0;background:#fff}.vpb nt.test{display:none}.vpb.back{background-color:#999}.vrhcp .vrhol.npb{height:36px;max-height:36px}.vrhol .vadda{width:22px;height:18px;padding:0;margin-right:0;margin-left:2px;bottom:0;position:relative;display:inline-block;z-index:1;background:rgba(0,0,0,.75);border-radius:2px;overflow:hidden}.vrhol .vadda.hide{display:none}.vrhol .vadda .mc_vfaa{margin:3px 5px}.ricons .vol{float:left}.ricons .adultFlag{float:right}.vol{width:22px;height:18px;bottom:0;margin-left:1px;margin-right:1px;position:relative;display:inline-block}.vol.hide,.vol .hide{display:none}.vol .bg{background:rgba(0,0,0,.75);border-radius:2px}.vol.bg,.vol nt{position:absolute;bottom:0}.vol .vol.bg.volnb{border-radius:0 0 2px 2px}.vol .volsliderHandle.bg{border-radius:2px 2px 0 0}.vol nt .volsliderHandle{height:70px;display:none;width:22px;float:left;bottom:18px;position:absolute;display:block}.vol .volsliderHandle .vol .volsliderHandle.hide{display:none}.volsliderHandle .vsb{height:54px;width:4px;background-color:#999;margin:9px auto 8px;position:relative;display:block;border-radius:2px}.volsliderHandle .vsh{height:6px;width:14px;padding:9px 7px 9px 7px;margin:0 -12px;display:block;position:absolute;top:30px}.volsliderHandle .vsh.hide{display:none}.volsliderHandle .vshi{height:4px;width:14px;background-color:#fff;border-radius:2px}.volMuteIcon{width:16px;height:14px;margin:2px 4px;float:left}.volMuteHandle{width:22px;height:18px}.vo{background:url(/rp/ffZxBXEIP9WYOO0jhTaElyLhEVU.svg) no-repeat}.vm{background:url(/rp/fsX-ZVd03wB2TL0vmQJxSp4U9vs.svg) no-repeat}.vl{background:url(/rp/YXYMPC1Rry_XJGc7Yg8lR4B2eEs.svg) no-repeat}.vf{background:url(/rp/NoslR4amKTs1zYxWy3laZN3HRk.svg) no-repeat}@media(forced-colors:active){.vol{forced-color-adjust:none}}.vrhc line .vt_vp,.vrhc.popout .vt_vp,.vrhc.mousefollow .vt_vp{position:absolute;bottom:0;border:hidden;padding:0;top:0;left:0;z-index:3}.vrhc .hide{display:none}.vrh_clc .vt_vp,.vrh_clc .vrhc .vrhi,.vrh_clc .player_ol{cursor:pointer}.vrh_clc .cico{border-radius:0}.vrhc{border:hidden;top:0;left:0;padding:0}.vrhc.mousefollow .vrhc,.vrhc.popout .vrhc{background-color:#999}.vrhtpc.load .player_ol{background:url(/rp/J_o2maogFDeUOsovPjL-ofEuxJ4.gif) center center no-repeat}.vrhc line .vrhc .vrhi,.vrhc.popout .vrhc .vrhi,.vrhc.mousefollow .vrhc .vrhi{position:absolute!important;border:hidden;z-index:2;padding:0;left:0;top:0}.player_ol{position:absolute;width:100%;height:100%;bottom:0;border:hidden;z-index:7}.vrhc.popout,.vrhc
```

```
line,.vrhc.mousefollow{border-radius:6px;overflow:hidden;display:table-row-group;background:none}.vrhc.p
opout,.vrhc.mousefollow{z-index:4;box-shadow:0 4px 4px rgba(0,0,0,.1),0 2px 80px rgba(0,0,0,.2)}.vrhc
line{z-index:1;margin:0}.vrhc.popout,.vrhc line{position:absolute;top:0}.vrhc.popout{border:1px solid
#fff}.vrhc.mousefollow{position:fixed}.vrhc.p{position:relative;top:0;left:0;display:table-row}.vrhc.p
.vrhc{position:relative;overflow:hidden}.vrhc.hide{display:none}@keyframes
vh_fadein{from{opacity:0}to{opacity:1}}.vrhc:not(.hide){animation:vh_fadein 250ms}.vrhc line
img{color:transparent}.vrhc
line.fullsize{height:100%}.vrhc,.vrhc: hover,.vrhc: link,.vrhc: active,.vrhc: visited{color:#000;text-decoration: no
ne}.vrhc.vrh_clc{cursor:pointer}a.hover-anchor{display:block;height:100%;width:100%;text-decoration:none
}.vrhstat{height:0;overflow:hidden}.grad{width:100%;height:24px;position:absolute;bottom:0;background:lin
ear-gradient(180deg,rgba(255,255,255,0) 0%,#fff 100%)} .b_drk .grad,.b_dark
.grad{background:linear-gradient(180deg,rgba(41,40,39,0) 0%,#292827
95%)} .b_module_expansion_control{padding-bottom:4px}.b_module_expansion
.b_expansion_wrapper{border-top:1px solid
#cdcdcd}.b_module_expansion_control.b_module_head>.b_module_expansion
.b_expansion_wrapper{border-top:0}.b_module_expansion
.b_expmob_rc{border-top:0}.b_module_expansion .b_expansion_wrapper,.b_module_expansion
.b_offpage_expansion a,#b_results .b_module_expansion .b_offpage_expansion
a{color:#666}.b_module_expansion .b_expansion_wrapper
.sv_ch{fill:#666}.b_module_expansion_control.b_module_head>.b_module_expansion
.b_expansion_wrapper,.b_module_expansion_control.b_module_head>.b_module_expansion
.b_offpage_expansion a,#b_results .b_module_expansion_control.b_module_head>.b_module_expansion
.b_offpage_expansion a{color:#666}.b_module_expansion_control.b_module_head>.b_module_expansion
.b_expansion_wrapper .sv_ch{fill:#666}#b_context .b_module_expansion
.b_expansion_wrapper{border-top:1px solid #ebeb}#b_context
.b_module_expansion_control.b_module_head>.b_module_expansion
.b_expansion_wrapper{border-top:0}#b_pole .b_module_expansion .b_offpage_expansion
a{color:#666}#b_pole .b_module_expansion_control.b_module_head>.b_module_expansion
.b_offpage_expansion a{color:#666}#b_context .b_module_expansion .b_offpage_expansion
a{color:#666}#b_context .b_module_expansion_control.b_module_head>.b_module_expansion
.b_expansion_wrapper,#b_context .b_module_expansion_control.b_module_head>.b_module_expansion
.b_offpage_expansion a{color:#767676}#b_context
.b_module_expansion_control.b_module_head>.b_module_expansion .b_expansion_wrapper
.sv_ch{fill:#767676}.b_btnContainer{width:100%;height:46px;border-radius:0 6px 6px
0;position:absolute;bottom:-20px}.b_CompactExpansion:active{background-color:#00526b}.b_CompactExpa
nsion: hover{background-color:#106ebe;cursor:pointer}.b_CompactExpansion{background-color:#106ebe;col
or:#fff;border-radius:16px;height:30px}.b_CompactExpansion{display:inline-block;line-height:30px;text-alig
n:center;padding-left:16px;padding-right:16px;position:relative;left:50%;transform:translateX(-50%);bottom:-
11px;z-index:4;pointer-events:auto}html[dir="rtl"]
.b_CompactExpansion{transform:translateX(50%)} .b_CompactExpansion
.b_arrow{margin-left:7px;margin-bottom:-1.75px;display:inline-block;height:.75em}.b_algo_group
```

.b\_CompactExpansion

```
.b_arrow{margin-left:3px;height:7px;margin-bottom:0;width:12px}.b_CompactExpansionBtnText{font-family:inherit;font-style:normal;font-weight:400;font-size:13px;line-height:20px;color:#fff;display:inline-block}Videos of Domestic Energy Storage Cabinet CertificationWatch video7:21Everything You Need To Know: NABCEP Energy Storage Installation Professional (ESIP) Certification HeatSpring249 viewsNov 11, 2024Watch video1:01:44Energy Storage Safety - Codes & Standards Briggs & Stratton Energy Solutions144 viewsOct 18, 2024Watch video1:50Domestic Energy Assessor: Qualification Explainer Energy Trust331 views5 months agoWatch full videoSee more#b_results h2 #kn_p,#b_results h3 #kn_p,#b_results h4 #kn_p{position:relative;display:inline}#b_pole #kn_p,#b_ans #kn_p{display:none}#kn_a{color:#4007a2;font:14px arial;left:-20px;position:absolute;top:25%}.b_title #kn_a,b_overflow #kn_a{left:-3px;position:relative}ol#b_results 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 #ebeb;margin-bottom:1px;padding-right:0;padding-bottom:5px}ol#b_results li.b_adBottom,ol#b_topw.b_results_emi li.b_adBottom{border-top:1px solid #ebeb;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_bcfactrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_bcfactrow,#b_topw .b_ad .sb_adTA .b_vlist2col li,#b_topw .b_ad .sb_adTA .b_factrow,#b_topw .b_ad .sb_adTA .b_bcfactrow{padding-bottom:var(--smtc-gap-between-content-xx-small)}#b_results .b_ad .sb_adTA .b_vlist2col,#b_topw.b_results_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_bcfactrow,#b_topw.b_results_emi .b_ad .sb_adTA .b_bcfactrow,#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_bcfactrow,#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_ad{margin-bottom:-6px}.b_ad_description{font:var(--bing-smtc-text-global-body3);color:var(--bing-ads-smtc-desktop-foreground-snippet-default)}div#b_content ol#b_results li.b_ad,div#b_content ol#b_topw.b_results_emi li.b_ad,div#b_content ol#b_topw li.b_ad{border-bottom:0}div#b_content ol#b_results li.b_adBottom,div#b_content ol#b_topw.b_results_emi li.b_adBottom,div#b_content ol#b_topw li.b_adBottom{border-top:0}#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}.b_ad .b_attribution>span{font-size:14px;color:#666}.b_ad
```

.b\_attribution{text-overflow:ellipsis;overflow:hidden;white-space:nowrap}.b\_ad .b\_attribution  
.b\_adurl{white-space:nowrap;text-overflow:ellipsis;overflow:hidden;display:inline-block;vertical-align:bottom}.b\_ad h2.b\_topTitleAd{font:var(--bing-smtc-text-global-title-2-alt)}#b\_content:hover .b\_ad.b\_adTop  
li:first-child .sb\_adTA h2 a.b\_ExpandAdUnderlineWithHeight{text-decoration:underline}.b\_adBottom  
.b\_adscv{content-visibility:auto;margin-left:-22px;padding-left:22px;margin-right:-22px;padding-right:22px;  
margin-bottom:-16px;padding-bottom:16px}#b\_results .b\_ad .b\_attribution  
.b\_adurl:hover,#b\_topw.b\_results\_eml .b\_ad .b\_attribution .b\_adurl:hover,#b\_results .b\_ad .b\_attribution cite  
a:hover,#b\_topw.b\_results\_eml .b\_ad .b\_attribution cite  
a:hover{text-decoration:underline;cursor:pointer}#b\_results .b\_ad .ad\_fls p:hover,#b\_topw.b\_results\_eml  
.b\_ad .ad\_fls p:hover,#b\_results .b\_ad .b\_caption p:hover,#b\_topw.b\_results\_eml .b\_ad .b\_caption  
p:hover,#b\_results .b\_ad .b\_caption p:hover .b\_colorBlend,#b\_topw.b\_results\_eml .b\_ad .b\_caption p:hover  
.b\_colorBlend,#b\_results .b\_ad .b\_ad\_description:hover,#b\_topw.b\_results\_eml .b\_ad  
.b\_ad\_description:hover,#b\_results .b\_ad .b\_caption div.b\_secondaryText:hover,#b\_topw.b\_results\_eml .b\_ad  
.b\_caption div.b\_secondaryText:hover{cursor:pointer}.sb\_add.sb\_adTA  
h2:not(.b\_topTitleAd){font:var(--bing-smtc-text-global-subtitle1);line-height:var(--bing-ads-smtc-algo-title-li  
ne-height);color:var(--smtc-ctrl-link-foreground-brand-rest)}.sb\_add.sb\_adTA  
.b\_adTopIcon\_container{display:flex;align-items:center;padding-bottom:var(--smtc-gap-between-content-x-s  
mall);position:relative;height:40px;cursor:pointer}#b\_results>.b\_ad .sb\_add.sb\_adTA  
.b\_adTopIcon\_container .b\_icondomian,#b\_topw.b\_results\_eml>.b\_ad .sb\_add.sb\_adTA  
.b\_adTopIcon\_container  
.b\_icondomian{color:var(--smtc-foreground-content-neutral-primary)}.sb\_add.sb\_adTA  
.b\_adTopIcon\_container  
.b\_icondomian{font:var(--bing-smtc-text-global-body3);line-height:var(--bing-ads-smtc-algo-site-name-line-h  
eight);position:absolute;top:0}.sb\_add.sb\_adTA .b\_adTopIcon\_container  
.b\_adTopIcon\_domain{display:inline-flex}.b\_dark #b\_results>.b\_ad .sb\_add.sb\_adTA  
.b\_adTopIcon\_container .b\_icondomian,.b\_dark #b\_topw.b\_results\_eml>.b\_ad .sb\_add.sb\_adTA  
.b\_adTopIcon\_container .b\_icondomian{color:#111}z{a:1}#b\_results .b\_adTopIcon\_container  
.b\_attribution,#b\_context .b\_adTopIcon\_container .b\_attribution,#b\_rrat\_cont .b\_adTopIcon\_container  
.b\_attribution{line-height:20px;padding:0}#b\_content .b\_ad .sb\_add .b\_adTopIcon\_container cite,#b\_content  
.b\_ad .sb\_add .b\_adTopIcon\_container cite a,#b\_content .sb\_add .b\_adTopIcon\_container cite  
a:visited,#b\_content .sb\_add .b\_adTopIcon\_container cite  
a:hover{color:var(--smtc-foreground-content-neutral-secondary);text-decoration:none}#b\_content  
.b\_adTopIcon\_container .b\_attribution,.sb\_add.sb\_adTA .b\_adTopIcon\_container .b\_attribution  
.b\_adurl{font:var(--bing-smtc-text-global-body3);line-height:20px}.sb\_add.sb\_adTA .b\_adTopIcon\_container  
.b\_attribution{position:absolute}.sb\_add.sb\_adTA .b\_adTopIcon\_container  
strong{display:contents}.b\_adTopIcon\_container .sw\_ddgn:after{transform-origin:-180px -52px}#b\_content  
.b\_adTopIcon\_container .b\_attribution,#b\_results .sb\_add.sb\_adTA .b\_adTopIcon\_container .b\_attribution  
.b\_adurl,#b\_topw.b\_results\_eml .sb\_add.sb\_adTA .b\_adTopIcon\_container .b\_attribution .b\_adurl,#b\_content  
.b\_adTopIcon\_container .b\_attribution:hover,#b\_results .sb\_add.sb\_adTA .b\_adTopIcon\_container  
.b\_attribution .b\_adurl:hover,#b\_topw.b\_results\_eml .sb\_add.sb\_adTA .b\_adTopIcon\_container .b\_attribution  
.b\_adurl:hover{text-decoration:none}.b\_topAdSlug{color:#202124;margin-bottom:var(--smtc-gap-between-c

content-x-small);font:var(--bing-smtc-text-global-body3-strong);line-height:20px}z{a:1}z{a:1}.b\_ad  
.b\_titleBL{background-color:var(--bing-smtc-ctrl-favicon-background);border:1px solid  
var(--bing-smtc-stroke-ctrl-default);border-radius:var(--smtc-corner-circular);vertical-align:text-bottom;margi  
n-right:var(--smtc-gap-between-content-small);width:26px;height:26px;text-align:center;display:inline-flex;ali  
gn-items:center;justify-content:center;overflow:hidden}.b\_ad .b\_titleBL.b\_titleBLlarge{border:1px solid  
var(--bing-smtc-stroke-ctrl-subtle);border-radius:var(--mai-smtc-corner-list-card-default);width:unset;height:u  
nset;margin-right:var(--smtc-gap-between-content-x-small);display:inline-block}.b\_titleBL  
.saa\_f{transform:scale(calc(18/32));overflow:unset}.b\_titleBL.b\_titleBLlarge  
.saa\_f{overflow:unset;transform:unset;margin:var(--smtc-gap-between-content-xx-small)}.b\_titleBL  
img{border-radius:var(--mai-smtc-corner-favicon)}.b\_titleBL.b\_titleBLlarge  
img{border-radius:var(--mai-smtc-corner-favicon)}.b\_adcaret{display:inline-block}.b\_adcaret  
bubble\_item{display:block;cursor:pointer;margin:0 14px 0  
var(--smtc-padding-ctrl-sm-text-top)}.b\_attribution a.b\_adcaret div  
bubble\_item:has(span.sw\_ddgn),.b\_attribution a.b\_adcaret div bubble\_item:has(span.sw\_ddw),cite  
a.b\_adcaret div bubble\_item:has(span.sw\_ddgn),cite a.b\_adcaret div  
bubble\_item:has(span.sw\_ddw){display:block;cursor:pointer;padding:var(--smtc-gap-between-content-xx-sma  
ll) var(--smtc-gap-between-content-x-small) 0 var(--smtc-gap-between-content-x-small);margin:0}.b\_adcaret  
bubble\_item .sw\_ddgn,.b\_adcaret bubble\_item .sw\_ddw{margin:var(--smtc-padding-ctrl-text-side)  
calc(-1\*var(--smtc-gap-between-content-xx-small)) var(--smtc-padding-ctrl-text-side)  
calc(-1\*var(--smtc-padding-ctrl-sm-text-top));display:block}.b\_adcaret\_content{text-align:center}.b\_ad  
.sb\_adTA:not(:has(.b\_adRebate))  
.b\_adcaret:not(.trgr\_icon){margin-left:var(--bing-ads-smtc-url-icon-padding-left);margin-right:var(--bing-ads-  
smtc-url-icon-padding-right)}.b\_ad .sb\_adTA:not(:has(.b\_adRebate)) .b\_adcaret:not(.trgr\_icon)  
bubble\_item{margin:unset}.sb\_add .hhTitle strong{font-weight:600}.sb\_adTA  
span.ad\_sym,.format\_sym{font-family:Calibri,"Segoe UI",Arial,Helvetica,sans-serif;line-height:0}.sb\_adTA  
span.ad\_title\_sym{font:var(--bing-smtc-text-global-body3);vertical-align:top}.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-fo  
reground-ad-slug-default);border:1px solid  
var(--bing-ads-smtc-ad-slug-stroke);vertical-align:middle}.sb\_adTA .b\_adSlug,.ba\_results  
.b\_adSlug{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default);border:1px solid  
var(--bing-ads-smtc-ad-slug-stroke)}#b\_context>li.b\_ad .sb\_adBrandSidebar.sb\_adTA  
.b\_adSlug>a,#b\_rrat\_cont>li.b\_ad .sb\_adBrandSidebar.sb\_adTA  
.b\_adSlug>a{color:var(--bing-ads-smtc-desktop-foreground-ad-slug-default)}.b\_adSlug{padding:0  
var(--smtc-gap-between-content-xxx-small) 0  
var(--smtc-gap-between-content-xxx-small)}.b\_adSlug{margin-right:var(--smtc-gap-between-content-xx-smal  
l)}.sb\_adTA .b\_adSlug,.ba\_results  
.b\_adSlug{margin-right:var(--smtc-padding-ctrl-text-side)}z{a:1}z{a:1}z{a:1}.ad\_mrrtngscr{font-weight:bol  
d;line-height:var(--bing-ads-smtc-algo-url-line-height)}.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}#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\_results .b\_ad .sb\_adTA  
.b\_belowcaption,#b\_topw.b\_results\_eml .b\_ad .sb\_adTA  
.b\_belowcaption{padding-bottom:4px}.hsl\_carousel{padding-top:4px;padding-bottom:4px}.hsl\_carousel  
.b\_slideexp{margin-bottom:0}.hsl\_carousel  
.slide{cursor:pointer;height:100%;width:auto!important}.hsl\_carousel  
.sl\_item{padding:8px;font-size:14px;line-height:20px}.hsl\_carousel .sl\_item  
strong{font-weight:normal}.b\_ads1line{white-space:nowrap;overflow:hidden;text-overflow:ellipsis;display:bl  
ock}.pa\_item .b\_attribution cite,#b\_context .pa\_item .b\_attribution cite,.pa\_hover .b\_attribution cite,.pa\_item  
.b\_footnote .pa\_url cite,#b\_rrat\_cont .pa\_item .b\_attribution cite{color:#111;opacity:.8}#bpage.b\_drk  
.pa\_item .b\_footnote .pa\_url  
cite{color:#d2d0ce}.ad\_ohContainer{display:inline;padding-left:20px}.loc\_inContainer{display:inline}.day\_h  
ours\_row{display:flex}.day\_col{display:grid;justify-content:left;padding:4px;float:left;min-width:105px;max  
-width:120px}.hours\_col{display:grid;justify-content:left;padding:4px;float:right}.current\_day{font-weight:b  
old}.open\_text{color:#006d21}.holiday\_text{color:#be5a00}.day\_text{text-align:left}.hours\_text{text-align:l  
eft}.b\_ad .sw\_lpoi{margin:0 4px 3px 1px;vertical-align:text-bottom;display:inline-block}#b\_results .b\_ad  
.b\_vlist2col.b\_deep ul,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep ul,#b\_topw .b\_ad .b\_vlist2col.b\_deep  
ul{width:292px}.b\_ad .b\_deep h3{font-size:20px;line-height:24px}.b\_ad .b\_deep h3  
strong{font-weight:normal}#b\_results .b\_ad .sb\_adTA .b\_vlist2col.b\_deep,#b\_topw.b\_results\_eml .b\_ad  
.sb\_adTA .b\_vlist2col.b\_deep,#b\_results .b\_ad .sb\_add .b\_deep+.b\_moreLink,#b\_topw.b\_results\_eml .b\_ad  
.sb\_add .b\_deep+.b\_moreLink,#b\_results .b\_ad .esl\_collapsed,#b\_topw.b\_results\_eml .b\_ad  
.esl\_collapsed,#b\_topw .b\_ad .sb\_adTA .b\_vlist2col.b\_deep,#b\_topw .b\_ad .sb\_add  
.b\_deep+.b\_moreLink,#b\_topw .b\_ad  
.esl\_collapsed{padding-left:var(--smtc-gap-between-content-medium)}#b\_results .b\_ad .b\_vlist2col.b\_deep  
ul:first-child,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep ul:first-child,#b\_topw .b\_ad  
.b\_vlist2col.b\_deep ul:first-child{margin-right:0}#b\_results .b\_ad  
.b\_vlist2col.b\_deep>ul:nth-child(2),#b\_topw.b\_results\_eml .b\_ad  
.b\_vlist2col.b\_deep>ul:nth-child(2),#b\_topw .b\_ad  
.b\_vlist2col.b\_deep>ul:nth-child(2){margin-left:var(--smtc-padding-content-xx-large)}#b\_results .b\_ad  
form.b\_externalSearch,#b\_topw.b\_results\_eml .b\_ad form.b\_externalSearch,#b\_topw .b\_ad  
form.b\_externalSearch{margin-left:var(--smtc-gap-between-content-medium)}#b\_results .b\_ad .sb\_adTA  
.b\_vlist2col li .ad\_vsl,#b\_topw.b\_results\_eml .b\_ad .sb\_adTA .b\_vlist2col li .ad\_vsl,#b\_topw .b\_ad .sb\_adTA  
.b\_vlist2col li .ad\_vsl{padding-top:7px;display:block}#b\_results .b\_ad .b\_deep  
span.ad\_vsl,#b\_topw.b\_results\_eml .b\_ad .b\_deep span.ad\_vsl,#b\_topw .b\_ad .b\_deep



# Domestic energy storage cabinet certification

span.ad\_vsl{font:var(--bing-smtc-text-global-body1)}#b\_results .b\_ad .b\_deep span.ad\_vsl strong,#b\_topw.b\_results\_eml .b\_ad .b\_deep span.ad\_vsl strong{font-weight:400}#b\_results .b\_ad .b\_vlist2col.b\_deep .ad\_vsl,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep .ad\_vsl,#b\_topw .b\_ad .b\_vlist2col.b\_deep .ad\_vsl{cursor:pointer}#b\_results .b\_ad .b\_vlist2col.b\_deep .ad\_vsl,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep .ad\_vsl,#b\_topw .b\_ad .b\_vlist2col.b\_deep .ad\_vsl,#b\_topw .b\_ad .b\_vlist2col.b\_deep .ad\_vsl{margin-left:-16px;padding-left:16px;margin-right:-12px;padding-right:12px;margin-bottom:-8px;padding-bottom:8px}#b\_results .b\_ad .b\_vlist2col.b\_deep li:hover .ad\_vsl a,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep li:hover .ad\_vsl a,#b\_topw .b\_ad .b\_vlist2col.b\_deep li:hover .ad\_vsl a{text-decoration:underline}#b\_results .b\_ad .b\_vlist2col.b\_deep li,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep li,#b\_topw .b\_ad .b\_vlist2col.b\_deep li{padding:0 7px 7px 16px;margin-bottom:2px;margin-top:2px;margin-left:-16px}#b\_results .b\_ad .b\_vlist2col.b\_deep div.ad\_vsl h3 a strong,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep div.ad\_vsl h3 a strong,#b\_topw .b\_ad .b\_vlist2col.b\_deep div.ad\_vsl h3 a strong{color:#4007a2}#b\_results .b\_ad .b\_vlist2col.b\_deep,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep,#b\_topw .b\_ad .b\_vlist2col.b\_deep{overflow:unset}#b\_results .b\_ad .b\_vlist2col.b\_deep a.ad\_vslWiderClk,#b\_topw.b\_results\_eml .b\_ad .b\_vlist2col.b\_deep a.ad\_vslWiderClk{white-space:nowrap;overflow:hidden;text-overflow:ellipsis;display:block}#slideexp1\_91F517 .slide { margin-right: 8px; }#slideexp1\_91F517c .b\_slidebar .slide { border-radius: 6px; }.slide\_mask { background-color: black; } #slideexp1\_91F517 .slide:last-child { margin-right: 0px; }#slideexp1\_91F517 .slide:first-child { margin-left: 0px; } #slideexp1\_91F517 .slide:first-child .slide\_mask { opacity: 0; }#slideexp1\_91F517c { margin: -4px; } #slideexp1\_91F517c .b\_viewport { padding: 4px 1px 4px 1px; margin: 0 3px; } #slideexp1\_91F517c .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); } #slideexp1\_91F517c .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); } #slideexp1\_91F517c .b\_slidebar .slide.see\_more .carousel\_seemore { border: 0px; }#slideexp1\_91F517c .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); }BLUETTI Bluetti Home Battery Backup | Expandable Power StationSponsored2025 Best Power Station For Camping, Off-Grid Power Beast. BLUETTI Solar Powered Generator For Home, Provide Backup Protection.4.5/5 (366 reviews)

Discover the essential certifications required for residential energy storage systems (ESS) and how ACE Battery exceeds industry standards to ensure safety, performance, and reliability.

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UL can test your large energy storage systems (ESS) based on UL 9540 and provide ESS certification to help identify the safety and performance of your system.

Clear guide to UL 9540 system safety, UL 9540A fire testing, and compliance steps for residential to

utility-scale energy storage projects.

Residential energy storage systems need certifications like UL 9540, UL 9540A, UL 1973, UL 1741, NFPA 855, DNV, and NABCEP ESIP in 2025, along with an ESS certificate. ...

Let's face it - the US energy storage certification landscape is about as easy to navigate as a corn maze at midnight. But here's the kicker: certifications are your golden ticket in this \$15 ...

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