

Title: Dual-string lithium battery BMS

Generated on: 2026-05-03 07:58:13

Copyright (C) 2026 MARZENIA SOLAR SOLUTIONS. All rights reserved.

For the latest updates and more information, visit our website: <https://malemarzenia.com.pl>

Number of BMS"s depends on your battery configuration. If you parallel a bunch of cells in to each serial string (like say 10p7s), you only need a ...

Since lithium cells must be managed on a cell level, parallel lithium strings dramatically increase the complexity and cost of the battery management and introduce many additional points of failure and ...

In this guide, we will dive deep into BMS circuit diagram for 1S, 2S, 3S, and 4S Li-ion battery configurations, providing detailed explanations of its ...

Introduction1. What is a BMS? Why do you need a BMS in your lithium battery?The lithium battery BMS, its design and primary purpose:2. How to connect lithium batteries in series4. How to charge lithium batteries in parallel4.1 Resistance is the enemy4.2 How to charge lithium batteries in parallel - from bad to best designsLithium battery banks using batteries with built-in Battery Management Systems (BMS) are created by connecting two or more batteries together to support a single application. Connecting multiple lithium batteries into a string of batteries allows us to build a battery bank with the potential to operate at an increased voltage, or with increased ca...See more on assets.discoverbattery Missing: Dual-stringMust include: Dual-stringbody> -saml-product-card-hoverable-overlay .line-clamp-expanded .cmuipcm-content-cntr__title{-webkit-line-clamp:5!important;max-height:110px!important}.b_hide{display:none!important}.saml-container{margin:0 0;padding-bottom:var(--smtc-gap-between-content-medium)}#b_results>li.b_top.b_ans.b_topborder .saml-container{padding-bottom:0}.saml-container .acf-title-text{margin-right:4px}.acf-header-title,.acf-filters-container{margin-left:0}.saml-products-wrapper{position:relative;min-height:200px}.saml-product-card-container,.saml-product-card-container .saml-product-card-normal,.saml-product-card-container .saml-product-card-normal merce-ui-product-card-medium__target-link{height:100%}.saml-products-wrapper-slide{position:relative;min-height:200px;margin-bottom:16px}.saml-products-wrapper-slide .slide{box-shadow:none!important;margin-right:16px!important;height:100%}.b_dark .saml-products-wrapper-slide .slide{background-color:transparent!important}.saml-products-wrapper-slide

```
.b_overlay
.btn.rounded{ width:36px;height:48px;border-radius:12px;display:flex;justify-content:center;align-items:center;transition:opacity .5s;margin-top:unset;top:136px }.saml-products-wrapper-slide .b_overlay .btn.rounded
.bg{ position:absolute;width:100%;height:100%;background:#fff;opacity:1;box-shadow:0 6px 12px 0 rgba(27,53,86,.08);border-radius:12px }.saml-products-wrapper-slide .b_overlay .btn.rounded
.vcac{ position:relative;width:6.5px;height:12px;top:unset;background:url(data:image/svg+xml,%3Csvg%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%20fill%3D%22none%22%20viewBox%3D%220%200%207%2012%22%3E%3Cpath%20fill%3D%22%23242424%22%20d%3D%22M.6458.147A.5.5%200%200%201%201.353.145915.4845%205.465a.55.55%200%200%201%200%20.7792L1.353%2011.855a.5.5%200%200%201-.7058-.708415.1646-5.1462L.647.8542A.5.5%200%200%201%20.6458.147Z%22%2F%3E%3C%2Fsvg%3E) center center no-repeat }.saml-products-wrapper-slide .b_overlay .btn.rounded .vcac
div{ display:none }.saml-products-wrapper-slide .b_overlay
.btn.rounded.next{ right:calc(-18px) }.saml-products-wrapper-slide .b_overlay
.btn.rounded.prev{ left:calc(-18px) }.saml-products-wrapper-slide .b_overlay .btn.rounded.prev
.vcac{ transform:rotate(180deg) }.saml-products-wrapper-slide .b_overlay
.btn.rounded.disabled{ opacity:0 }.saml-products-wrapper-slide .b_overlay .btn.rounded:hover
.bg{ background:#eff4fa;opacity:1 }.b_dark .saml-products-wrapper-slide .b_overlay .btn.rounded
.bg{ background:#292827;box-shadow:0 6px 12px 0 rgba(0,0,0,.24) }.b_dark .saml-products-wrapper-slide
.b_overlay .btn.rounded
.vcac{ background:url(data:image/svg+xml,%3Csvg%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%20fill%3D%22none%22%20viewBox%3D%220%200%207%2012%22%3E%3Cpath%20fill%3D%22%23ffffff%22%20d%3D%22M.6458.147A.5.5%200%200%201%201.353.145915.4845%205.465a.55.55%200%200%201%200%20.7792L1.353%2011.855a.5.5%200%200%201-.7058-.708415.1646-5.1462L.647.8542A.5.5%200%200%201%20.6458.147Z%22%2F%3E%3C%2Fsvg%3E) 0 0 no-repeat }.b_dark
.saml-products-wrapper-slide .b_overlay .btn.rounded:hover
.bg{ background:#2d3135;opacity:1 }.saml-products-grid{ display:grid;grid-template-columns:repeat(auto-fill,minmax(200px,1fr));gap:24px }.saml-product-card-container{ position:relative;display:block }.saml-product-card-container.saml-revealed-card{ animation:fadeInExpand .3s ease-out forwards }.saml-products-wrapper.saml-expanded .saml-products-grid{ height:auto } @keyframes fadeInExpand{ from{ opacity:0;transform:translateY(-10px) }to{ opacity:1;transform:translateY(0) } }.saml-product-card-hoverable-template{ display:none }.saml-footer{ position:relative;height:36px;display:flex;justify-content:center;align-items:center;margin-top:16px }.saml-footer
.saml-see-all-link.acf-button{ z-index:1 }.saml-footer
.saml-footer-divider{ width:100%;height:1px;background-color:#ddd;transform:translateY(-50%) }.b_dark
.saml-footer .saml-footer-divider{ background-color:#545250 }.saml-footer
.footer-divider-container{ position:absolute;height:36px;width:100%;display:flex;align-items:center }.saml-footer .acf-button{ position:relative }body>
-saml-product-card-hoverable-overlay{ position:absolute;z-index:4;pointer-events:auto;opacity:0;overflow:visible;transition:opacity .15s ease-in-out }body>
-saml-product-card-hoverable-overlay.saml-hoverable-visible{ opacity:1 }body>
-merce-ui-product-card-medium__target-link{ min-height:100% }.saml-products-wrapper .saml-products-grid {
```

Dual-string lithium battery BMS

```
grid-template-columns: repeat(auto-fill, minmax(144px, 1fr));
}.acf-header-container{margin-bottom:16px}.acf-header-title{display:flex}.acf-header-title:visited,.acf-header
-title:hover{color:var(--acf-fore-neutral-primary)!important}.acf-title-text{overflow:hidden;text-overflow:ellip
sis;white-space:nowrap;font-size:20px;font-weight:700;line-height:26px;text-align:left;margin-right:3px;color
:var(--acf-fore-neutral-primary)!important}.acf-header-title.acf_title_blue:visited,.acf-header-title.acf_title_blu
e:hover,.acf_title_blue
.acf-title-text{color:var(--smtc-ctrl-link-foreground-brand-rest)!important}[background="alpha-white"]{backg
round-color:rgba(255,255,255,.8)}[background="rest-blue"]{background-color:#eff4fa}.b_dark
[background="alpha-white"]{background-color:rgba(38,38,38,.8)}.b_dark
[background="rest-blue"]{background-color:#292c33}
merce-ui-product-card-medium{display:flex;flex-direction:column;width:100%;max-width:360px;border-radi
us:var(--mai-smtc-corner-card-default)}
merce-ui-product-card-medium__target-link{display:flex;flex-direction:column;color:inherit;text-decoration:n
one}
merce-ui-product-card-medium__target-link: hover,
merce-ui-product-card-medium__target-link:focus{text-decoration:none}
merce-ui-product-card-medium--hoverable{position:relative;padding:8px}
merce-ui-product-card-medium--hoverable::before{content:"";position:absolute;top:0;left:0;right:0;bottom:0;b
ackground-color:transparent;transform:scale(.93) translateZ(0);transform-origin:center;transition:transform
.16s cubic-bezier(.4,0,.2,1),background-color 0s cubic-bezier(.4,0,.2,1)
.16s;z-index:0;border-radius:var(--mai-smtc-corner-card-default);will-change:transform;background-color;bac
kface-visibility:hidden}
merce-ui-product-card-medium--hoverable: hover::before{transform:scale(1)
translateZ(0);background-color:var(--bing-smtc-background-card-on-primary-alt-hover);box-shadow:0 4px
12px 1px rgba(0,0,0,.14);transition:transform .16s cubic-bezier(.4,0,.2,1),background-color 0s
cubic-bezier(.4,0,.2,1)}
merce-ui-product-card-medium--hoverable: active::before{background-color:var(--bing-smtc-background-card
-on-primary-alt-pressed)}
merce-ui-product-card-medium--hoverable>div{position:relative;z-index:1}
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__title{transform:translateZ(0);backface-visibility:hidden;transition-property:max-heig
ht;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:max-height;overflow:
hidden;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale}
merce-ui-product-card-medium--hoverable
.cmuipcm-content-cntr__hashtags{transform:translateZ(0);backface-visibility:hidden;transition-property:max-
height,opacity;transition-duration:.16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:max-heig
ht,opacity;overflow:hidden}
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium--hoverable
merce-ui-product-card-medium--hoverable
merce-ui-image-wrapper,
merce-ui-product-card-medium--hoverable
merce-ui-image-wrapper__image-container
.cico{transform:translateZ(0);backface-visibility:hidden;transition-property:border-radius;transition-duration:.
16s;transition-timing-function:cubic-bezier(.4,0,.2,1);will-change:border-radius;overflow:hidden;-webkit-font-
smoothing:antialiased;-moz-osx-font-smoothing:grayscale}
merce-ui-product-card-medium--hoverable
.cmuipcm-meta-data{transform:translateZ(0);transition-property:max-height,opacity;transition-duration:.16s;tr
ansition-timing-function:cubic-bezier(.4,0,.2,1);opacity:0;will-change:max-height,opacity;overflow:hidden}
merce-ui-product-card-medium--hoverable: hover .cmuipcm-image-cntr--zoom .cico{transform:scale(1.1)}
```

```
merce-ui-product-card-medium--hoverable: hover .cmuipcm-image-cntr,
merce-ui-product-card-medium--hoverable: hover merce-ui-image-wrapper,
merce-ui-product-card-medium--hoverable: hover merce-ui-image-wrapper__image-container
.cico { border-radius: var(--smtc-corner-ctrl-hover) }
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__hashtags { max-height: 24px; opacity: 1; margin-top: 0 }
merce-ui-product-card-medium--hoverable.line-clamp-expanded
.cmuipcm-content-cntr__title { max-height: 66px; transform: translateZ(0) }
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one,
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable,
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data.cmuipcm-meta-data--one,
merce-ui-product-card-medium--hoverable.line-clamp-expanded .cmuipcm-content-cntr__row-wrapper
.cmuipcm-meta-data { max-height: 20px; opacity: 1; margin-top: 0 }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-content-cntr__title { max-height: 44px }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-content-cntr__title [data-rows="1"] { -webkit-line-clamp: 1; max-height: 22px }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-content-cntr__title [data-rows="2"] { -webkit-line-clamp: 2 }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-content-cntr__title [data-rows="3"] { -webkit-line-clamp: 3; max-height: 66px }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--hoverable { max-height: 0; opacity: 0; margin-top: -2px }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--one { max-height: 20px; opacity: 1; margin-top: 0 }
merce-ui-product-card-medium--hoverable: not(.line-clamp-expanded)
.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one { max-height: 0; opacity: 0; margin-top: -2px }
.cmuipcm-image-cntr { display: flex; position: relative; overflow: hidden; border-radius: var(--mai-smtc-corner-card-default) }
.cmuipcm-image-cntr
merce-ui-image-wrapper { height: 100%; width: 100%; border-radius: var(--mai-smtc-corner-card-default) }
.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico { background: #fafafa; border-radius: var(--mai-smtc-corner-card-default); transition: transform .16s ease }
.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico
img { mix-blend-mode: multiply } @media (forced-colors: active) {
.cmuipcm-image-cntr
merce-ui-image-wrapper__image-container
.cico
img { mix-blend-mode: normal } }
.cmuipcm-badge { display: inline-block; background-color: #eff4fa; border-radius: 6px; padding: var(--smtc-gap-between-content-xxx-small) var(--smtc-gap-between-content-x-small); font-family: "Segoe Sans", -apple-system, BlinkMacSystemFont, "Segoe
```

```
UI",Roboto,sans-serif;font-size:14px;line-height:20px;font-weight:400;color:#1e2024;align-self:flex-start;white-space:nowrap;text-overflow:ellipsis;overflow:hidden;max-width:calc(100% - 12px)}.cmuipcm-rating-badge{position:absolute;top:8px;left:8px;background:var(--smtc-background-card-on-primary-default-hover);border-radius:var(--smtc-ctrl-badge-corner);padding:var(--smtc-gap-between-content-xxx-small)var(--smtc-gap-between-content-x-small);display:flex;align-items:center;z-index:1}.cmuipcm-rating-badge.ratingv2.snrnt.small-rts{gap:var(--smtc-gap-between-content-xxx-small);font-size:13px;line-height:20px}.cmuipcm-rating-badge.ratingv2.snrnt.small-rts.rating-num{font-size:13px;font-weight:400;line-height:20px;color:var(--smtc-foreground-content-neutral-primary);margin-left:2px}.cmuipcm-content-cntr{display:flex;flex-direction:column;flex:1;padding-top:var(--smtc-padding-ctrl-text-top)}.cmuipcm-content-cntr__base-info{display:flex;flex-direction:column;gap:var(--smtc-gap-between-content-xxx-small);padding:0var(--smtc-gap-between-content-xx-small);min-height:74px}.cmuipcm-content-cntr__title{margin-bottom:var(--smtc-gap-between-content-xxx-small);font:var(--bing-smtc-text-global-body3);color:var(--smtc-foreground-content-neutral-primary);overflow:hidden;display:-webkit-box;-webkit-box-orient:vertical;-webkit-line-clamp:2;max-height:44px}.cmuipcm-content-cntr__title[data-rows="1"]{-webkit-line-clamp:1;max-height:22px}.cmuipcm-content-cntr__title[data-rows="2"]{-webkit-line-clamp:2}.cmuipcm-content-cntr__title[data-rows="3"]{-webkit-line-clamp:3;max-height:66px}.cmuipcm-content-cntr__hashtags{display:flex;flex-wrap:wrap;gap:var(--smtc-gap-between-content-xx-small);margin-bottom:var(--smtc-gap-between-content-xx-small);overflow:hidden;max-height:0;opacity:0;margin-top:-4px}.cmuipcm-content-cntr__hashtags-item{background-color:var(--smtc-status-informative-tint-background);color:var(--smtc-foreground-content-neutral-secondary);border-radius:var(--smtc-ctrl-badge-corner);font:var(--bing-smtc-text-global-caption1);padding:var(--smtc-gap-between-content-xxx-small)var(--smtc-gap-between-content-x-small);white-space:nowrap;text-overflow:ellipsis;overflow:hidden;max-width:100%}.cmuipcm-content-cntr.cmuipc-seller{display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-content-cntr.cmuipc-seller.fb-prvdr{width:16px;height:16px;border-radius:3px}.cmuipcm-content-cntr.cmuipc-seller__name{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt);white-space:nowrap;text-overflow:ellipsis;overflow:hidden}.cmuipcm-content-cntr__row-wrapper{display:flex;flex-direction:column;align-items:flex-start;gap:var(--smtc-gap-between-content-xxx-small);flex-wrap:wrap}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data.cmuipcm-meta-data--hoverable{max-height:0;opacity:0;margin-top:-2px}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data.cmuipcm-meta-data--one,.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data:not(.cmuipcm-meta-data--hoverable){max-height:20px;opacity:1;margin-top:0}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data.cmuipcm-meta-data--one~.cmuipcm-meta-data.cmuipcm-meta-data--one{max-height:0;opacity:0;margin-top:-2px}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data{display:flex;flex-direction:row;align-items:center}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data__icon{margin-right:4px}.cmuipcm-content-cntr__row-wrapper.cmuipcm-meta-data__description{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-content-neutral-secondary-alt)}.cmuipcm-content-cntr__row-wrapper
```

```
.cmuipcm-price-row__range,.cmuipcm-content-cntr__row-wrapper .cmuipcm-price-row__range
.price-container[size="small"]{font:var(--bing-smtc-text-global-caption1-strong)}
merce-ui-product-card-medium-tp
.cmuipcm-content-cntr__title{margin-bottom:unset}.cmuipcm-price-row{display:flex;flex-direction:row;align
-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-price-row.cmuipcm-price-row--install
ment{align-items:flex-start;flex-direction:column;gap:var(--smtc-gap-between-content-xxx-small)}.cmuipcm-
price-row.cmuipcm-price-row--installment .cmuipcm-price-row__og-price
.price-container[size="small"]{font:var(--bing-smtc-text-global-caption1);color:var(--bing-smtc-foreground-c
ontent-neutral-tertiary)}.cmuipcm-price-row
.price-container[size="small"]{font:var(--bing-smtc-text-global-caption1-strong)}.cmuipcm-price-row__range
{display:flex;flex-direction:row;align-items:center;gap:var(--smtc-gap-between-content-xx-small)}.cmuipcm-
price-row__cur-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-foregrou
nd-content-neutral-primary)}.cmuipcm-price-row:not(.cmuipcm-price-row--installment)
.cmuipcm-price-row__lw-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption1-strong);color:var(--smtc-status-su
ccess-tint-foreground)}.cmuipcm-price-row__og-price
.price-container[color="neutral"]{font:var(--bing-smtc-text-global-caption2);line-height:20px;text-decoration:l
ine-through;color:var(--bing-smtc-foreground-content-neutral-tertiary)}.cmuipcm-free-shipping{font-size:12p
x;line-height:16px;color:#0f7b0f}
merce-ui-image-wrapper{display:inline-block;position:relative;overflow:hidden}
merce-ui-image-wrapper__slideshow-container:hover .b_overlay .btn.rounded.next,
merce-ui-image-wrapper__slideshow-container:hover .b_overlay .btn.rounded.prev{display:block}
merce-ui-image-wrapper__slideshow-container .b_overlay .btn.rounded.next{right:0;display:none}
merce-ui-image-wrapper__slideshow-container .b_overlay .btn.rounded.prev{left:0;display:none}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager{line-height:8px;margin-top:8px}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager
teraction>ul
li{width:4px;height:4px;color:#e0e0e0;background-color:#e0e0e0;border:unset;margin:0 2px 2px}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager
teraction>ul
li.active{width:10px;border-radius:99px;background-color:#707070;color:#707070}
merce-ui-image-wrapper__slideshow-container .b_pager_overlay .b_pager
teraction>ul
li:hover:not(.active){width:4px;height:4px;background-color:#707070;color:#707070;margin:0 2px
2px}.price-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:
flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;color:#242424;font-size:2
0px;line-height:22.4px;font-weight:600}.price-container[size="xx-small"]{font-size:12px;line-height:18px;fo
nt-weight:200}.price-container[size="x-small"]{font-size:14px;line-height:14px;font-weight:200}.price-contai
ner[size="small"]{font-size:16px;line-height:18px;font-weight:600}.price-container[size="medium"]{font-siz
e:20px;line-height:22.4px;font-weight:600}.price-container[size="large"]{font-size:24px;line-height:27.2px,f
ont-weight:600}.price-container[size="x-large"]{font-size:28px;line-height:27.3px;font-weight:600}.price-co
ntainer[color="neutral"],.price-container[discount-label-color="neutral"]
.price-container__discount-label{color:#242424}.price-container[color="accent-primary"],.price-container[dis
count-label-color="accent-primary"]
```

```
.price-container__discount-label{color:#128052}.price-container[color="accent-secondary"],.price-container[discount-label-color="accent-secondary"]
.price-container__discount-label{color:#d63600}.price-container[color="subtle"],.price-container[discount-label-color="subtle"]
.price-container__discount-label{color:#707070}.price-container[color="inverted"],.price-container[discount-label-color="inverted"]
.price-container__discount-label{color:#fff}.price-container[color="accent-brand"],.price-container[discount-label-color="accent-brand"]
.price-container__discount-label{color:#2169eb}.price-container[strikethrough]
.price-container__currency,.price-container[strikethrough]
.price-container__integer,.price-container[strikethrough]
.price-container__cents,.price-container[strikethrough]
.price-container__decimal{text-decoration:line-through}.price-container[show-raised-cents]
.price-container__currency,.price-container[show-raised-cents]
.price-container__cents{vertical-align:top}.price-container[show-raised-cents]
.price-container__currency{margin-right:.1em;font-size:60%;line-height:1;transform:translate(0,10%)}.price-container[show-raised-cents]
.price-container__cents{margin-left:.05em;font-size:60%;line-height:1;transform:translate(0,8%)}.price-container
.price-container__per-item-container{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;-webkit-box-direction:normal;-webkit-box-orient:horizontal;flex-direction:row;-webkit-box-align:end;-ms-flex-align:end;align-items:flex-end;color:#707070;padding-left:2px;column-gap:2px;font-weight:200}.price-container__discount-label{margin-left:.2em}.price-container[discount-label-position="top"]:not([size="small"]):not([size="x-small"]):not([size="xx-small"])
.price-container__discount-label{vertical-align:top;font-size:60%;line-height:1;transform:translate(0,.1em)}.price-container[discount-label-position="bottom"]
.price-container__discount-label{margin-left:.2em;font-size:100%}
merce-ui-price{display:block}.ratingv2.snrnt{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;flex-direction:row;gap:8px;align-items:center;color:#424242;line-height:22px;font-size:16px;position:relative;z-index:1}.ratingv2.snrnt.ratingHeader{gap:12px}.ratingv2.snrnt.ratingHeader
.rs-list{padding-bottom:0}.ratingv2.snrnt.ratingHeader
.rating-num{font-weight:400;font-size:56px;line-height:56px}.ratingv2.snrnt.ratingHeader
l{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;flex-direction:column;gap:2px}.ratingv2.snrnt.ratingHeader
.review-cnt{font-size:14px;font-weight:400;line-height:20px;color:#707070}.ratingv2.snrnt
.rs-list{display:-webkit-box;display:-webkit-flex;display:-moz-flex;display:-ms-flexbox;display:flex;gap:4px;height:22px;align-items:center;padding-bottom:2px}.ratingv2.snrnt .rs-list .rating-st,.ratingv2.snrnt .rs-list
.rating-ste,.ratingv2.snrnt .rs-list .rating-sth{width:16px;height:16px;background-size:16px 16px}.ratingv2.snrnt .rating-num{font-weight:600}.ratingv2.snrnt .review-cnt,.ratingv2.snrnt
.divider{font-weight:400}.ratingv2.snrnt.medium-rts{gap:12px;line-height:22px;font-size:16px}.ratingv2.snrnt
t.medium-rts .rs-list{height:22px}.ratingv2.snrnt.medium-rts .rs-list .rating-st,.ratingv2.snrnt.medium-rts
.rs-list .rating-ste,.ratingv2.snrnt.medium-rts .rs-list .rating-sth{width:16px;height:16px;background-size:16px 16px}.ratingv2.snrnt.small-rts{gap:4px;line-height:16px;font-size:12px}.ratingv2.snrnt.small-rts
```

Dual-string lithium battery BMS

```
.rs-list{height:16px;padding-bottom:2px}.ratingv2.snrnt.small-rts .rs-list .rating-st,.ratingv2.snrnt.small-rts
.rs-list .rating-ste,.ratingv2.snrnt.small-rts .rs-list .rating-sth{width:12px;height:12px;background-size:12px
12px}.ratingv2.snrnt .rs-list
.rating-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%22
40%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3
A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264
492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%
2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.60
28%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.4
9785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.6
73C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%
202.08544Z%22%20fill%3D%22%23EAA300%22%2F%3E%0A%3C%2Fsvg%3E%0A)}}.ratingv2.snrnt
.rs-list
.rating-st.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20height
%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D%
22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.23027
%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%202
.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.2
43L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.04
17482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.430528
%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215
%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611
%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.19408
9%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%
205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%20
6.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.132
4%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321
%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2
015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%
2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23616161%22%2F%3E%0D%0A
%3C%2Fsvg%3E%0D%0A)}}.ratingv2.snrnt .rs-list
.rating-st.kumo-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2212%22%20height
%3D%2213%22%20viewBox%3D%220%200%2012%2013%22%20fill%3D%22none%22%20xmlns%3D%
22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M5.28347%202.51846C5.
57692%201.92386%206.42479%201.92386%206.71825%202.51846L7.82997%204.77107L10.3159%205.13
229C10.9721%205.22764%2011.2341%206.03402%2010.7592%206.49684L8.96043%208.25026L9.38507
%2010.7261C9.49716%2011.3796%208.81122%2011.878%208.22431%2011.5695L6.00086%2010.4005L3.
7774%2011.5695C3.19049%2011.878%202.50455%2011.3796%202.61664%2010.7261L3.04128%208.2502
6L1.24246%206.49684C0.767651%206.03402%201.02966%205.22764%201.68584%205.13229L4.17174%
204.77107L5.28347%202.51846Z%22%20fill%3D%22%23242424%22%2F%3E%0D%0A%3C%2Fsvg%3E
)}}.ratingv2.snrnt .rs-list
.rating-ste{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2240%22%20height%3D%2
```

Dual-string lithium battery BMS

240%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264492%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%2013.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.6028%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.49785%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.673C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%202.08544Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0A%3C%2Fsvg%3E%0A)}.ratingv2.snrnt

.rs-list
.rating-ste.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20height%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.23027%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%202.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.430528%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.194089%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%206.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.1324%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23E6E6E6%22%2F%3E%0D%0A%3C%2Fsvg%3E%0D%0A)}.ratingv2.snrnt

.rs-list
.rating-ste.kumo-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2212%22%20height%3D%2213%22%20viewBox%3D%220%200%2012%2013%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cpath%20d%3D%22M5.28347%202.51846C5.57692%201.92386%206.42479%201.92386%206.71825%202.51846L7.82997%204.77107L10.3159%205.13229C10.9721%205.22764%2011.2341%206.03402%2010.7592%206.49684L8.96043%208.25026L9.38507%2010.7261C9.49716%2011.3796%208.81122%2011.878%208.22431%2011.5695L6.00086%2010.4005L3.7774%2011.5695C3.19049%2011.878%202.50455%2011.3796%202.61664%2010.7261L3.04128%208.25026L1.24246%206.49684C0.767651%206.03402%201.02966%205.22764%201.68584%205.13229L4.17174%204.77107L5.28347%202.51846Z%22%20fill%3D%22%23E9EEF5%22%2F%3E%0D%0A%3C%2Fsvg%3E%0E)}.ratingv2.snrnt

.rs-list
.rating-sth{background-image:url(data:image/svg+xml,%0A%3Csvg%20width%3D%2240%22%20height%3D%2240%22%20viewBox%3D%220%200%2040%2040%22%20fill%3D%22none%22%20xmlns%3D%22http%3A%2F%2F%2F2000%2Fsvg%22%3E%0A%3Cmask%20id%3D%22mask0_18_119%22%20style%3D%22mask-type%3Aalpha%22%20maskUnits%3D%22userSpaceOnUse%22%20x%3D%220%22%20y%3D%220%22%20width%3D%2240%22%20height%3D%2240%22%3E%0A%3Cg%20clip-path%3D%22url%2

Dual-string lithium battery BMS

8%23clip0_18_119%29%22%3E%0A%3Cpath%20d%3D%22M17.803%202.08544C18.7017%200.264492
%2021.2983%200.264485%2022.197%202.08544L27.0493%2011.9174L37.8996%2013.494C39.9091%201
3.786%2040.7115%2016.2556%2039.2574%2017.673L31.4061%2025.3261L33.2595%2036.1325C33.6028
%2038.1339%2031.5021%2039.6602%2029.7047%2038.7152L20%2033.6132L10.2952%2038.7152C8.497
85%2039.6602%206.39713%2038.1339%206.74041%2036.1325L8.59385%2025.3261L0.742549%2017.673
C-0.711565%2016.2556%200.0908267%2013.786%202.10037%2013.494L12.9506%2011.9174L17.803%20
2.08544Z%22%20fill%3D%22%23212121%22%2F%3E%0A%3C%2Fg%3E%0A%3C%2Fmask%3E%0A%
3Cg%20mask%3D%22url%28%23mask0_18_119%29%22%3E%0A%3Crect%20width%3D%2240%22%20
height%3D%2240%22%20fill%3D%22%23E6E6E6%22%2F%3E%0A%3Crect%20width%3D%2220%22%
20height%3D%2240%22%20fill%3D%22%23EAA300%22%2F%3E%0A%3C%2Fg%3E%0A%3Cdefs%3E
%0A%3CclipPath%20id%3D%22clip0_18_119%22%3E%0A%3Crect%20width%3D%2240%22%20height
%3D%2240%22%20fill%3D%22white%22%2F%3E%0A%3C%2FclipPath%3E%0A%3C%2Fdefs%3E%0A
%3C%2Fsvg%3E%0A)}.ratingv2.snrnt .rs-list
.rating-sth.neutral-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2216%22%20heig
ht%3D%2216%22%20viewBox%3D%220%200%2016%2016%22%20fill%3D%22none%22%20xmlns%3D
%22http%3A%2F%2F2000%2Fsvg%22%3E%0D%0A%3Cmask%20id%3D%22mask0_18_119%22%2
0style%3D%22mask-type%3Aalpha%22%20maskUnits%3D%22userSpaceOnUse%22%20x%3D%220%22
%20y%3D%220%22%20width%3D%2216%22%20height%3D%2216%22%3E%0D%0A%3Cg%20clip-path
%3D%22url%28%23clip0_18_119%29%22%3E%0D%0A%3Cpath%20d%3D%22M3.36595%2016C3.2302
7%2016%203.11285%2015.9481%203.0137%2015.8442C2.91455%2015.7403%202.86497%2015.6146%20
2.86497%2015.4669C2.86497%2015.4287%202.86758%2015.3986%202.8728%2015.3767L3.71037%2010.
243L0.148728%206.60994C0.049576%206.50607%200%206.38305%200%206.2409C0%206.11515%200.0
417482%206.00034%200.125245%205.89646C0.208741%205.79258%200.310502%205.72971%200.43052
8%205.70784L5.34638%204.96156L7.55382%200.287032C7.59556%200.199556%207.65558%200.131215
%207.73386%200.0820092C7.81213%200.0328037%207.89824%200.00546728%207.99217%200C8.08611
%200%208.17482%200.0246028%208.25832%200.0738083C8.34181%200.123014%208.40444%200.19408
9%208.44618%200.287032L10.6536%204.96156L15.5695%205.70784C15.6947%205.72971%2015.7965%
205.78985%2015.8748%205.88826C15.953%205.98667%2015.9948%206.10149%2016%206.2327C16%20
6.38579%2015.9504%206.51153%2015.8513%206.60994L12.2896%2010.243L13.1272%2015.3767C13.132
4%2015.3986%2013.135%2015.4287%2013.135%2015.4669C13.135%2015.6091%2013.0855%2015.7321
%2012.9863%2015.836C12.8871%2015.9399%2012.7697%2015.9918%2012.6341%2015.9918C12.5453%2
015.9918%2012.4671%2015.9727%2012.3992%2015.9344L8%2013.5069L3.60078%2015.9344C3.52772%
2015.9781%203.44945%2016%203.36595%2016Z%22%20fill%3D%22%23616161%22%2F%3E%0D%0A
%3C%2Fg%3E%0D%0A%3C%2Fmask%3E%0D%0A%3Cg%20mask%3D%22url%28%23mask0_18_119
%29%22%3E%0D%0A%3Crect%20width%3D%2216%22%20height%3D%2216%22%20fill%3D%22%23
E6E6E6%22%2F%3E%0D%0A%3Crect%20width%3D%228%22%20height%3D%2216%22%20fill%3D%22
%23616161%22%2F%3E%0D%0A%3C%2Fg%3E%0D%0A%3Cdefs%3E%0D%0A%3CclipPath%20id%
3D%22clip0_18_119%22%3E%0D%0A%3Crect%20width%3D%2216%22%20height%3D%2216%22%20fi
ll%3D%22white%22%2F%3E%0D%0A%3C%2FclipPath%3E%0D%0A%3C%2Fdefs%3E%0D%0A%3C%
2Fsvg%3E%0D%0A%0D%0A)}.ratingv2.snrnt .rs-list
.rating-sth.kumo-st{background-image:url(data:image/svg+xml,%3Csvg%20width%3D%2212%22%20height
%3D%2213%22%20viewBox%3D%220%200%2012%2013%22%20fill%3D%22none%22%20xmlns%3D%

Dual-string lithium battery BMS

flex}.acf-button__icon{display:inline-flex;align-items:center;justify-content:center}.acf-button__icon
img,.acf-button__icon svg{width:16px;height:16px}Shop Dual-string Lithium Battery BmsXJ BMS Bms For
Lithium Battery 2S 3S 4S 12V 24V 30A 40A Flexible Customized 18650 Battery Balance Cycle Bms
SystemAAlibaba \$2.80Free shippingXJ BMS Bms For Lithium Battery 2S 3S 4S 12V 24V 30A 40A Flexible
Customized 18650 Battery Balance Cycle Bms SystemAAlibaba \$2.80Free shipping5Dakota Lithium DL+
12V 135Ah Dual Purpose Deep Cycle 1000CCA Lifepo4 BatteryEeBay\$987.24Free shipping5Dakota
Lithium DL+ 12V 135Ah Dual Purpose Deep Cycle 1000CCA Lifepo4 BatteryEeBay\$987.24Free
shippingFactory Wholesale Lithium Battery BMS 13S 48V 15A 20A Lifepo4 Li-Ion BMS With Balance
Temperature Control NTCAAlibaba \$6.88Free shippingFactory Wholesale Lithium Battery BMS 13S 48V
15A 20A Lifepo4 Li-Ion BMS With Balance Temperature Control NTCAAlibaba \$6.88Free shippingSmart
BMS 8S Li-Ion 21S 16S Lifepo4 150A 200A 72V 60V 48V 36V 24V Bms For Lithium Ion Battery
PackAAlibaba \$48Free shippingSmart BMS 8S Li-Ion 21S 16S Lifepo4 150A 200A 72V 60V 48V 36V 24V
Bms For Lithium Ion Battery PackAAlibaba \$48Free shipping12V 24V 36V 48V 72V 96V Smart Bms For
Lithium Ion Battery Management System 100A 150A 200A Parallel Bms With Active BalanceAAlibaba
\$5012V 24V 36V 48V 72V 96V Smart Bms For Lithium Ion Battery Management System 100A 150A 200A
Parallel Bms With Active BalanceAAlibaba \$50JK OEM Lithium Battery For BMS 1324S Smart Active
Balance For BMS With 150A 2A 36V 48V 60V 72V GPS RS485 CAN LTO LIFEP04AAlibaba \$5JK OEM
Lithium Battery For BMS 1324S Smart Active Balance For BMS With 150A 2A 36V 48V 60V 72V GPS
RS485 CAN LTO LIFEP04AAlibaba \$5Smart Bms 3S-24S Li-Ion Lifepo4 Battery Bms 12V 24V 48V 60V
72V 84V 2A 5A Parallel BmsAAlibaba \$41Smart Bms 3S-24S Li-Ion Lifepo4 Battery Bms 12V 24V 48V
60V 72V 84V 2A 5A Parallel BmsAAlibaba \$41Active Balance Bms For Lithium Battery Battery Smart Bms
48V 200Ah Lithium Battery Ant Smart BmsAAlibaba \$0.50Free shippingActive Balance Bms For Lithium
Battery Battery Smart Bms 48V 200Ah Lithium Battery Ant Smart BmsAAlibaba \$0.50Free shippingDaly
Bms With Wifi 12V-72V 150A 200A 300A Ion Lithium Battery Li-Ion Lifepo4 Management Systems 4S
12V 8S 24V Lifepo4 Smart BMSAAlibaba \$35Daly Bms With Wifi 12V-72V 150A 200A 300A Ion Lithium
Battery Li-Ion Lifepo4 Management Systems 4S 12V 8S 24V Lifepo4 Smart BMSAAlibaba
\$3512V/24V/36V/48V/60V/72V Lithium Bms 6S-30S Battery Management System
20A/40A/60A/100A/150A/200A/250A Lifepo4 Bms 100AAAlibaba \$42.6812V/24V/36V/48V/60V/72V
Lithium Bms 6S-30S Battery Management System 20A/40A/60A/100A/150A/200A/250A Lifepo4 Bms
100AAAlibaba \$42.68TDT BMS 200A 250A 300A 4S 8S 12S 16S 20S 12V 24V 36V 48V 60V 72V Smart
Bms Lifepo4 Batteries Bms For Lithium Ion Battery PacksAAlibaba \$85TDT BMS 200A 250A 300A 4S 8S
12S 16S 20S 12V 24V 36V 48V 60V 72V Smart Bms Lifepo4 Batteries Bms For Lithium Ion Battery
PacksAAlibaba \$85BMS 13S 20A Separate Port Battery Management System For Li-Ion And
Lifepo4AAlibaba \$3.30BMS 13S 20A Separate Port Battery Management System For Li-Ion And
Lifepo4AAlibaba \$3.30VEVOR 72V (70.4V) 105AH Lithium Golf Cart Battery, With 15A Charger, Lifepo4
Battery Kit, Built-In 200A BMS, With Bluetooth & Touch Monitor, 2CVVEVOR\$1,539.90Free
shippingVEVOR 72V (70.4V) 105AH Lithium Golf Cart Battery, With 15A Charger, Lifepo4 Battery Kit,
Built-In 200A BMS, With Bluetooth & Touch Monitor, 2CVVEVOR\$1,539.90Free shippingPIONERGY
12V 100Ah Lifepo4 Lithium Battery,12 Volt Lithium Battery With 100A BMS 1280Wh,100Ah 12V Lifepo4
Battery Perfect For RV,Solar, Marine,Off-Grid ApplicationsFfb.kriblink \$78.69\$106.23PIONERGY 12V
100Ah Lifepo4 Lithium Battery,12 Volt Lithium Battery With 100A BMS 1280Wh,100Ah 12V Lifepo4
Battery Perfect For RV,Solar, Marine,Off-Grid ApplicationsFfb.kriblink \$78.69\$106.23LPFMAX 12V 200Ah



Dual-string lithium battery BMS

Plus Lithium Battery, Lifepo4 RV Deep Cycle Rechargeable Battery, Built-In 200A BMS, 2000-5000 Cycles, Max 2560W Power Output, 10-Year Lifetime, Perfect For Marine, RV, Off-Grid, Etc.Ffb.kriblink \$88.99\$120.14LPFMAX 12V 200Ah Plus Lithium Battery, Lifepo4 RV Deep Cycle Rechargeable Battery, Built-In 200A BMS, 2000-5000 Cycles, Max 2560W Power Output, 10-Year Lifetime, Perfect For Marine, RV, Off-Grid, Etc.Ffb.kriblink \$88.99\$120.14See alllithionics Advanced Battery Management Systems | LithionicsControl and monitor your lithium batteries with our advanced Battery Management Systems (BMS) for maximum efficiency.

Web: <https://malemarzenia.com.pl>

