

# 241kWh HIGH VOLTAGE RACK-MOUNTED ENERGY STORAGE BATTERY

## YJC-HES-H-S-241kWh

|                     |                      |                     |                     |                      |                     |
|---------------------|----------------------|---------------------|---------------------|----------------------|---------------------|
| 4units<br>64.3kWh   | 5units<br>80.3kWh    | 6units<br>96.4kWh   | 7units<br>112.5kWh  | 8units<br>128.5kWh   | 9units<br>144.63kWh |
| 10units<br>160.7kWh | 11units<br>176.77kWh | 12units<br>192.8kWh | 13units<br>208.9kWh | 14units<br>224.98kWh | 15units<br>241kWh   |



### MODULAR 16 KWH STACK ARCHITECTURE

Capacity built from field-replaceable 16 kWh modules (flexible 4-15 module stacks) for precise sizing and fast onsite service – e.g. a 241.05 kWh cabinet is assembled from fifteen 16 kWh modules.



### HIGH-VOLTAGE DESIGN FOR LOWER LOSSES

High-voltage topology cuts current and  $I^2R$  losses, enabling slimmer cabling, higher round-trip efficiency and a more compact power train.



### MATCHED HYBRID INVERTER POWER (30/40/50 KW)

Purpose-matched 3-phase hybrid inverters deliver smooth grid-tie and backup operation, fast charge/discharge switching and support for multi-unit parallel operation.



### PRE-WIRED, STACKABLE CABINET – QUICK DEPLOY

Pre-engineered, stackable racks and pre-wiring reduce installation and commissioning time – lower labour and site cost for C&I deployments.



### INTELLIGENT BMS ORCHESTRATION

Integrated BMS enables peak-shaving, valley-filling, capacity management and dynamic coordination across stacked units for optimized self-consumption and bill reduction.



| Model                                       | YJC-HES-H-S-64.3kWh                                    | YJC-HES-H-S-80.3kWh | YJC-HES-H-S-96.4kWh | YJC-HES-H-S-112.5kWh |
|---|--|---------------------|---------------------|----------------------|
| Battery Type                                | LiFePO <sub>4</sub>                                    |                     |                     |                      |
| System Configuration                        | Stacked by 16 kWh battery modules (4 / 5 / 6 / 7units) |                     |                     |                      |
| Nominal Energy                              | 64.3 kWh   | 80.3 kWh            | 96.4 kWh            | 112.5 kWh            |
| Nominal Capacity                            | Nominal Capacity 314 Ah                                |                     |                     |                      |
| Nominal Voltage                             | 204.8 V  | 256 V               | 307.2 V             | 358.4 V              |
| Recommended Charge/Discharge Current        | 157 A / 157 A  |                     |                     |                      |
| Maximum Continuous Charge/Discharge Current | 157 A / 157 A  |                     |                     |                      |
| Peak Charge/Discharge Current               | 157 A / 157 A  |                     |                     |                      |
| Cell Cycle Life                             | ≥ 8000 cycles  |                     |                     |                      |
| Calendar Life                               | 10 years (designed service life, typical conditions)   |                     |                     |                      |
| Dimensions (W×H×D)                          | 1180mm×850mm×1140mm                                    |                     |                     |                      |
| Mass  | 840kg  | 960kg               | 1080kg              | 1200kg               |
| Ingress Protection Rating                   | IP20   |                     |                     |                      |
| Charge Temperature Range                    | 0 ~ 50 °C  |                     |                     |                      |
| Discharge Temperature Range                 | -20 ~ 60 °C  |                     |                     |                      |
| Installation Type                           | Indoor stacked cabinet system                          |                     |                     |                      |
| Compatible Inverters                        | Deye/SOLAX/Solis (30-50kW / 60-80kW / 80-125kW)        |                     |                     |                      |
| Certification & Safety Standard             | CE-EMC/IEC62619/UN38.3                                 |                     |                     |                      |

| Model                                       | YJC-HES-HV-S-128.5kWh                                      | YJC-HES-HV-S-160.7kWh | YJC-HES-HV-S-192.8kWh | YJC-HES-HV-S-241.05kWh |
|---|--|-----------------------|-----------------------|------------------------|
| Battery Type                                | LiFePO <sub>4</sub>  |                       |                       |                        |
| System Configuration                        | Stacked by 16 kWh battery modules (8 / 10 / 12 / 15 units) |                       |                       |                        |
| Nominal Energy                              | 128.56kWh  | 160.7kWh              | 192.8kWh              | 241kWh                 |
| Nominal Capacity                            | Nominal Capacity 314 Ah                                    |                       |                       |                        |
| Nominal Voltage                             | 409.6 V  | 512 V                 | 614.4 V               | 768 V                  |
| Recommended Charge/Discharge Current        | 157 A / 157 A  |                       |                       |                        |
| Maximum Continuous Charge/Discharge Current | 157 A / 157 A  |                       |                       |                        |
| Peak Charge/Discharge Current               | 157 A / 157 A  |                       |                       |                        |
| Cell Cycle Life                             | ≥ 8000 cycles  |                       |                       |                        |
| Calendar Life                               | 10 years (designed service life, typical conditions)       |                       |                       |                        |
| Dimensions (W×H×D)                          | (1180mm×850mm×1140mm)×2                                    |                       |                       |                        |
| Mass  | 1657kg   | 1897kg                | 2137kg                | 2497kg                 |
| Ingress Protection Rating                   | IP20   |                       |                       |                        |
| Charge Temperature Range                    | 0 ~ 50 °C  |                       |                       |                        |
| Discharge Temperature Range                 | -20 ~ 60 °C  |                       |                       |                        |
| Installation Type                           | Indoor stacked cabinet system                              |                       |                       |                        |
| Compatible Inverters                        | Deye/SOLAX/Solis (30-50kW / 60-80kW / 80-125kW)            |                       |                       |                        |
| Certification & Safety Standard             | CE-EMC/IEC62619/UN38.3                                     |                       |                       |                        |