

ENGINEERED TO PERFORM, BUILT TO SCALE

# EDGE HV STACK

307.2V/614.4V100AH

- Reliable energy storage platform for C&I applications
- Durable operation for repeatable project deployment
- Integrated protection and monitoring for safer operation
- Flexible configuration for PV, grid and backup loads



SYSTEM SNAPSHOT

## Confirmed Core Metrics

| ENERGY         | VOLTAGE      | MODULES | INSTALL |
|----------------|--------------|---------|---------|
| 30.72-61.44kWh | 307.2-614.4V | 6/8/12  | Rack    |

### ENDURING QUALITY

Superior longevity with extended cycle life and warranty

### EFFICIENT PERFORMANCE

Consistent operation with stable energy output

### EXPERT COMMUNICATION

Multilingual technical support with professionalism

Applications



Technical Parameters

| PARAMETER                            | SPECIFICATION                             |
|--------------------------------------|-------------------------------------------|
| Model                                | 307.2V/614.4V100AH                        |
| Battery Type                         | LiFePO4                                   |
| Rated Voltage per Module             | 51.2V                                     |
| Rated Capacity                       | 100AH                                     |
| Rated Energy per Module              | 5.12kWh                                   |
| Operating Voltage per Module         | 44.8V - 57.6V                             |
| Number of Battery Modules            | 6 / 8 / 12                                |
| System Nominal Energy                | 30.72kWh / 40.96kWh / 61.44kWh            |
| System Nominal Voltage               | 307.2V / 409.6V / 614.4V                  |
| System Operating Voltage             | 268.8V-345.6V / 384V-460.8V / 576V-691.2V |
| Maximum Continuous Charge Current    | 100A                                      |
| Maximum Continuous Discharge Current | 100A                                      |

| PARAMETER                           | SPECIFICATION                                                             |
|-------------------------------------|---------------------------------------------------------------------------|
| Operating Temperature (Charging)    | 0°C - 50°C                                                                |
| Operating Temperature (Discharging) | -10°C - 50°C                                                              |
| Storage Temperature                 | 5°C - 45°C                                                                |
| Protection Degree                   | IP20                                                                      |
| Protection                          | Overcharge/discharge, overcurrent, overheat, short circuit, breaker, fuse |
| Communication                       | RS485/CAN                                                                 |
| Scalability                         | Up to 16 units in parallel                                                |
| Balance                             | Active Balancing                                                          |
| Cycle Life                          | >6000                                                                     |
| Warranty                            | 10 years                                                                  |
| Certification                       | UN38.3, IEC62619, CE                                                      |
| Battery Module Dimension            | 486*520*154(mm)                                                           |

Technical Parameters · Continued

| PARAMETER                        | SPECIFICATION       |
|----------------------------------|---------------------|
| Weight per Module                | 45 kg               |
| Cabinet Dimension (for 13 Slots) | 550 × 600 × 2300 mm |
| Weight per Cabinet               | 62 kg               |

| PARAMETER            | SPECIFICATION                      |
|----------------------|------------------------------------|
| Installation         | Rack-mounting                      |
| Optional Accessories | Wi-Fi, Bluetooth, app, cables etc. |