



Next-Gen Energy Storage

# ***Built for Reliability & Performance***



Compact



Zero  
Maintenance



Intelligent  
& Safe



Pollution  
Free  
(Noise & Air)

10kVA



15kVA



3/5kVA



## TECHNICAL SPECIFICATIONS

| Specifications                                                                                                                                                    | 3kVA                                                                             | 5kVA         | 10kVA         | 15kVA                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------|---------------|----------------------------|
| Input Parameters:                                                                                                                                                 |                                                                                  |              |               |                            |
| Input Phase Configuration                                                                                                                                         | 1-Phase                                                                          |              |               | 3-Phase                    |
| Nominal Voltage                                                                                                                                                   | 230V AC                                                                          |              |               | 400V AC                    |
| Voltage range                                                                                                                                                     | 110V ~ 280V AC                                                                   |              |               | 175V ~ 270V AC (per phase) |
| Nominal frequency                                                                                                                                                 | 50/60 Hz                                                                         |              |               |                            |
| Frequency range                                                                                                                                                   | ±10%                                                                             |              |               |                            |
| Output Parameters (Battery mode):                                                                                                                                 |                                                                                  |              |               |                            |
| Output Phase Configuration                                                                                                                                        | 1-Phase                                                                          |              |               | 3-Phase                    |
| Nominal Voltage                                                                                                                                                   | 230V AC                                                                          |              |               | 400V AC                    |
| Voltage regulation                                                                                                                                                | ±1%                                                                              |              |               |                            |
| Nominal frequency                                                                                                                                                 | 50/60 Hz                                                                         |              |               |                            |
| Frequency range                                                                                                                                                   | ±0.1%                                                                            |              |               |                            |
| Efficiency                                                                                                                                                        | 94%                                                                              |              |               | 95%                        |
| Switching time                                                                                                                                                    | zero                                                                             |              |               | 6~10 msec                  |
| Special Features:                                                                                                                                                 |                                                                                  |              |               |                            |
| LCD Display for monitoring:<br>Input: voltage/frequency/current,<br>Output: voltage/frequency/current/<br>load (kVA/kW),<br>Battery: voltage/current              | Yes                                                                              |              |               |                            |
| Protection/Alarm:<br>Short circuit, Output Overload, Over<br>temperature, Input voltage Over/under,<br>DC bus high/low, Battery low,<br>Output voltage over/under | Yes                                                                              |              |               |                            |
| Environmental:                                                                                                                                                    |                                                                                  |              |               |                            |
| IP rating                                                                                                                                                         | IP20                                                                             |              |               |                            |
| Operating altitude                                                                                                                                                | 0 ~ 1500M (Derating above 1500M; 1% per 100M)                                    |              |               |                            |
| Operating Temperature & Humidity                                                                                                                                  | 0 ~ 50 deg C & 0 ~ 95% RH Non-condensing (Derating above 50 deg C; 1% per Deg C) |              |               |                            |
| Communication:                                                                                                                                                    |                                                                                  |              |               |                            |
| Communication Interface:<br>RS232/USB/EPO (standard) SNMP/<br>Modbus/Wifi/IoT (Optional)                                                                          | Yes                                                                              |              |               |                            |
| Battery Specification                                                                                                                                             |                                                                                  |              |               |                            |
| Battery voltage                                                                                                                                                   | 48V DC                                                                           |              |               |                            |
| Maximum Discharging/charging current                                                                                                                              | 100 Amps                                                                         | 200 Amps     | 300 Amps      |                            |
| Recommended charging current                                                                                                                                      | 50 Amps                                                                          | 100 Amps     | 150 Amps      |                            |
| Operating temperature                                                                                                                                             | -20 to 60 deg C                                                                  |              |               |                            |
| Battery capacity (kWh)                                                                                                                                            | 4.8/9.6 kWh                                                                      | 9.6/19.2 kWh | 14.4/28.8 kWh |                            |