



POWER DESIGNED
FOR NIGHT AND DAY

SOLUNA 10K LV

LOW VOLTAGE BATTERY FOR ENERGY STORAGE APPLICATIONS

SOLUNA BES 10K

TECHNICAL SPECIFICATION

PHYSICAL CHARACTERISTICS

| | |
|--------------|------------------|
| Height (mm) | 760 |
| Width (mm) | 500 |
| Depth (mm) | 215 |
| Weight (kg) | 100 |
| Installation | Indoor / Outdoor |

ELECTRICAL CHARACTERISTICS

| | |
|--|------------------|
| Battery type | LFP |
| Nominal Energy(kWh) | 10.24 |
| Usable Energy (kwh)[1] | 9.2 |
| Nominal capacity (Ah) | 200 |
| Nominal voltage (V) | 51.2 |
| Voltage range (usable) (V) | 48 to 57.6 |
| Max. charge/ discharge current(A) | 100 / 200 |
| Recommended Depth of Discharge (%) | 80 |
| Max. Depth of Discharge(%) | 90 |
| Internal resistance (mΩ) | ≤60 |
| Cycle life@ 25°C(under standard charge and discharge conditions) | ≥8000 |
| Battery pack round-trip efficiency (%) | >95 |
| DC disconnect | Contactor / fuse |

BMS

| | |
|-----------------------|--|
| Power consumption | <3W (working) <100 mW (sleeping) |
| Monitoring parameters | System voltage System current Cell voltage Cell temperature CAN RS 485 |
| Communication | |

OPERATING CONDITIONS

| | |
|---|--------------------|
| Operating temperature (°C) | -10 to 50 |
| Operating temperature(recommended) (°C) | 15 to 30 |
| Storage temperature (recommended)(°C) | 15 to 30 |
| Humidity conditions(%) | 5 to 95 |
| Altitude(m) | Max. 2,000 |
| Cooling strategy | Natural convection |

RELIABILITY AND CERTIFICATION

| | |
|---------------------------|--|
| Certification | UL1642 UN38.3.UL1973.UL9540A IEC62619. CE ROHS |
| Transportation | UN38.3 |
| Ingress protection rating | IP 65 |
| System configuration | 1 to 30 parallel |

WARRANTY

| | |
|-------------------------|---------------------------|
| Product and performance | 10-year standard warranty |
|-------------------------|---------------------------|

KEY FEATURES



Safest Life PO₄ Battery



Extendable Upto 300kwh



1C Discharge Rate



IP 65 Ingress Protection



Compatible with most Inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



10 Years Warranty



 ZNC Solar

UAN: +92 334 8888 555
www.zncsolar.com
128-C, Garden Block,
New Garden Town, Lahore.

Soluna eCloud
Monitoring Platform

AVAILABLE ON THE
App Store

ANDROID APP ON
Google Play

