

SOLUNA™



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	Contactors / 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
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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



SOLUNA™

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Soluna eCloud
Monitoring Platform



AVAILABLE ON THE
App Store



ANDROID APP ON
Google Play

