



**POWER DESIGNED
FOR NIGHT AND DAY**

SOLUNA 10K-20 Pack LV

LOW VOLTAGE BATTERY FOR ENERGY STORAGE APPLICATIONS

SOLUNA 10K-20 Pack LV

TECHNICAL SPECIFICATION

PHYSICAL CHARACTERISTICS

Height (mm)	760
Width (mm)	500
Depth (mm)	215
Weight (kg)	100
Installation	Floor-stand/Wall-mounted

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
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 20
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 20 Ingress Protection



Compatible with most Inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



10 Years Warranty



ZNC Solar

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Soluna eCloud
Monitoring Platform



AVAILABLE ON THE
App Store



ANDROID APP ON
Google Play

