

SOLUNA™
POWER DESIGNED FOR NIGHT AND DAY

SOLUNA 2.5K



25.6
Voltage



Lifecycle
6000



IP20
Protection



Bluetooth
WIFI connection



www.solunabattery.pk

SOLUNA 2.5K

TECHNICAL SPECIFICATION

PHYSICAL CHARACTERISTICS

Height (mm)	350
Width (mm)	460
Depth (mm)	150
Weight (kg)	25
Installation	Floor-stand / Wall-mounted

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Nominal capacity (kWh)	2.56
Nominal voltage (V)	25.6
Voltage range (usable) (V)	20 to 28.4
Max charge (A)	75
Discharge current (A)	100
Depth of discharge (DoD) (%)	90
Internal resistance (m)	≤30
Cycle life	≥6000
Battery pack round-trip efficiency (%)	> 95
DC disconnect	MOS / FUSE

BMS

Power consumption	<2 W (work) <100 mW (sleep)
Monitoring parameters	System voltage System current Cell voltage Cell temperature CAN WIFI, RS-485

OPERATING CONDITIONS

Operating temperature (°C)	-10 to 50
Operating temperature (recommended) (°C)	15 to 30
Storage temperature (recommended) (°C)	-20 to 60
Humidity conditions (%)	5 to 95
Altitude (m)	Max 2,000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION

Certification	TBD
Transportation	UN38.3
Ingress protection rating	IP 20
Module parallel	1 to 32 parallel

WARRANTY

Product and performance	5-year warranty
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KEY FEATURES



25.6 V Battery Voltage



≥ 6000 Cycle



1C Discharge Rate



Extendable Upto 40.96 kWh



Compatible with Voltronic Inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



5 Years Warranty

