Datasheet

Home Solar Power & Energy Storage Solution

EcoStor R Low Voltage Stackable Battery

ESR-L5000A



ecosolex



ESR-L5000A Low Voltage Stackable Battery

Technical Parameters

Nominal Voltage	51.2V
Nominal Capacity	100Ah
Nominal Energy@0.2C	5.12kWh
Usable Energy@0.2C	4.92kWh
Operation Voltage Range	48V~56V
Charge Voltage	56V
Float Voltage	54.6V
Standard Charge Current	50A
Max. Charge Current	70A
Standard Discharge Current	50A
Max. Discharge Current	100A
Communication	RS485 /CAN
Peak Discharge Current	＜119A@5mins, ＜200A@15s
IP Level	IP20
Cycle Life	≥6000 cycles, @25°C , @0.2C , @90%DOD, @60%EOL
Net Weight	≈46kg (101.4 lbs)
Dimension(W*H*D)	482*133.5*460mm (18.9*5.2*18.1 inch)
Cell Type	Lithium-iron Phosphate ($LiFePO_4$)
Operation Temperature Range	Charge 0~50°C (32~122°F), Discharge -10~50°C (14~122°F)
Storage Temperature	(5~90%RH): ≤3 months: -10°C<T<45°C, >3 months: 15~35°C
Relative Humidity	5%~90%, No Condensation
Install Altitude	≤4000m
Install Location	Indoor
Installation	Wall Mounted/ Floor Mounted/ Stack/ Rack Mounted
Certification	IEC62619 / UL1973 / UN38.3 / CE / UKCA