



Residential ESS Solution

Neptune LA-C5.1



Color touch display screen,
Wi-Fi, and Bluetooth.



Supports multiple
communication protocols



6,000 revolutions
per cycle service life



Easy and Quick Installation



App Remote Monitoring



Technical Specification



Technical Data		Neptune LA-C5.1
Capacity		5.12kWh
Main Parameter		
Battery Type		LiFePO ₄
Capacity(Ah)		100
Nominal Voltage(V)		51.2
Operating Voltage(V)		43.2~57.6
Rated Energy(kWh)		5.12
Usable Energy(kWh)		4.6
Charge Current(A)	Recommend	50
	Max. Continuous	70
Discharge Current(A)	Recommend	50
	Max. Continuous	100
Recommend Deth of Discharge		90%
Other Parameter		
Display		Color touch display screen(Optional)
Operating Temperature(°C)	Charge:	0°C~55°C
	Discharge:	-20°C~55°C
Storage Temperature(°C)		-10°C~35°C
Humidity		5%~95%
Altitude		≤3000m
IP Rating of Enclosure		IP54
Installation Location		Wall-Mounted
Dimension(W×H×D,mm)		380*600*145
Weight Approximate(kg)		45
Cycle life*		≥6000 Cycles
Communication Port		CAN,RS485
Warranty Period*		5 years
Certification		UN38.3

*Test conditions: 0.5C charge/discharge at 25°C, 90% DOD, and 70% EOL.

*Please refer to official warranty policy for full warranty terms and conditions.