



# Residential ESS Solution

Neptune LA-D5.1/15.0



App Remote Monitoring



IP65  
High level protection



Easy and Quick Installation



6000 cycles @80% for effectively  
lower total of ownership cost



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



Supports multiple  
communication protocols



Technical Data	Neptune LA-D5.1	Neptune LA-D15.0
Capacity	5.12kWh	15.07kWh
<b>Main Parameter</b>		
Battery Type	LiFePO <sub>4</sub>	
Capacity(Ah)	100	314
Nominal Voltage(V)	51.2	48
Operating Voltage(V)	43.2~57.6	40.5~54
Rated Energy(kWh)	5.12	15.07
Usable Energy(kWh)	4.6	13.56
Maximum Charge/Discharge Current(A)	50/100	150/200
Recommend Deth of Discharge	90%	
<b>Other Parameter</b>		
Dimension(W×H×D,mm)	423*663*147	470*864*240
Weight Approximate(kg)	45	106
Display	Color touch display screen	
IP Rating of Enclosure	IP65	
Operating Temperature(°C)	Charge:0°C~55°C	
	Discharge:-20°C~55°C	
Storage Temperature(°C)	-10°C~40°C	
Humidity	5%~95%	
Altitude	≤2000m	
Cycle life	≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)	
Installation Location	Wall-Mounted	Floor-Mounted
Communication Port	CAN2.0,RS485,RS232,WIFI	
Warranty Period	5 years	
Certification	UN38.3	