

# SMART RESIDENTIAL ESS SOLUTION

VE51280W



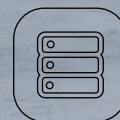
Most safety LiFePO4  
as cathode material



Long cyclic life-6000  
cycles (80%DOD)



Max. Current  
150A



IP65 for outdoor  
installation

# SPECIFICATION

Model	VE51100W
Schematic Diagram	
Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage Range	42.0~57.6V
Nominal Charge Voltage	57.6V
Charge Current/Max. Continuous	100A
<b>Discharge Cut-off Voltage</b>	42.0V
Discharge Current/Max. Continuous	100A
Recommended Depth of Discharge	80%
Operating Temp. Range/Charge	0~60
Operating Temp. Range/Discharge	-20~60
Dimension(W*H*D)	<b>607.5*842*261.5mm (With Battery Bracket)</b>
Weight	<b>Approx. 49 kg (With Battery Bracket)</b>
IP Rating	IP65
Expansion	Max. 15 Units in Parallel
Color	White
Communication	CAN/RS485/WIFI/Bluetooth
Cooling Mode	Natural Cooling
Cycle Life	6000 Cycles, 80%DOD@25
Design Life	15+ Years (25 )
Installation Method	Floor Mounted
Allowed Humidity Range	≤95% RH
Altitude	<2000m
Protections	<b>Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit etc.</b>
<b>Compatible Inverters</b>	PowMr/Deye/Solis/Hoymiles/Senergy/Afore/Megarevo/SRNE/Inhenergy etc.
<b>Certifications</b>	UN38.3/ IEC62619/CE-EMC/IEC RED

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