

ARESS NEW

5.12 kWh~25.6 kWh Capacity
Residential Low-voltage Battery



Various installation methods
Wall/Rack/Floor mounted
Compatible with 19-inch
standard racks



CTP (Cell to pack) design
Compact and space-saving



Wide Operating
Temperature Range
-20°C ~ 55°C (optional)



1C
Discharge
100 A
(5.12 kW)



Smart Monitoring
& Management
APP+Web



SPECIFICATION

Model	ARESS
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	5.12 kWh
Usable Battery Energy	4.864 kWh
Nominal Capacity	100 Ah
Nominal Voltage	51.2 V
Operating Voltage	44.8 V~57.6 V
Recommended Charge & Discharge C Rate	0.5C (50 A)
Max. Charge C Rate	0.75C (75 A)
Max. Discharge C Rate	1C (100 A)
Peak Discharge Current (25°C)	110 A, 15s
Recommended Charge & Discharge Power	2.56 kW
Max. Charge Power	3.84 kW
Max. Discharge Power	5.12 kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0~55°C/-20~55°C (optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	60 kg
Dimension(W/D/H)	665/572/252 mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life ^[1]	≥6000 Cycles
Installation ^[2]	Wall-mounted, Rack-mounted, Floor-mounted
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/CE-RED/IEC 62619/IEC 63056/RoHS/REACH
Compatible Inverters	SMA/Victron Energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/Deye/Sungrow etc.

[1] Test conditions: 0.2C Charging& Discharging, 25°C, 95% DOD, 70%EOL

[2] Simple bracket installation, supporting a maximum of 6 modules