

ARESS

ARESS is a low-voltage product designed for residential energy storage scenarios, supporting up to 16 parallel units, 10.24KWh—163.84KWh energy coverage. With 6.5in slim design, there is no limit to the installation space. 1C Discharge, providing strong power for household electricity consumption.



Flexible Expansion

Up to 16 units in parallel,
10.24KWh—163.84KWh capacity



Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s,
automatically pressure relief



Automatic Self-heating

-20°C to 55°C operating
temperature (optional)



1C Discharge

Max discharge current: 200A,
simultaneously supplying power to
multiple loads



Easy Installation

30% less volume, 15% less weight,
save time and labor



IP21 Protection

Fearless of indoor installation,
reliable protection for daily use

Model	ARESS
Battery Type	LiFePO ₄
Nominal Battery Energy	10.24kWh
Usable Energy	9.728kWh
Operating Voltage	44.8–57.6V
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Nominal Charge or Discharge Power	5.12kW
Max Discharge Power	10.24kW
Recommended Charge & Discharge C Rate	0.5C
Max Discharge C Rate	1C
Recommended Charge/Discharge Current	100A
Max Discharge Current	200A
Peak Discharge Current	300A (2mins, 25°C)
Recommended Depth of Discharge (DOD)	95%
Net Weight	99.7kg
Dimension[W/D/H]	710/165/640mm
Charging Temp. Range	0–55°C/–20–55°C (with heating function)
Discharging Temp. Range	–20–55°C
Communication	CAN/RS485
Cycle Life *	≥6000 cycles / 10 Years
Protection Level	IP21
Expansion	Up to 16 units in parallel
Color	White
Battery low temperature heating function	Optional
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/IEC62040/CE-RED/CEC
Compatible Inverters	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc.

* Test conditions: 0.2C Charging& Discharging, @25°C, 95% DOD