

ARESS2.5

ARESS2.5 is a low-voltage lithium energy storage battery designed for home applications. It supports up to 16 parallel units to reach an energy range from 2.56kWh to 40.96kWh. 1C discharge rate, it provides strong power for home electricity, with high safety, high performance, and high return on investment.



Flexible Expansion

Up to 16 units in parallel,
2.56kWh—40.96kWh capacity



1C Discharge

Simultaneously supplying power
to multiple loads, no need to worry
about power outages



Easy Installation

30% less volume, high
space utilization



Battery Equalization

Supports for mixing modules under
different SOC to ensure battery life



Smart Management

Real-time system monitoring,
remote control, OTA updates



All-round Safety

Short-circuit lockout, surge-resistant,
safe and reliable

Model	ARESS2.5
Cell Technology	LiFePO ₄
Battery Module Capacity	2.56 kWh
Battery Module Voltage	25.6V
Battery Module Capacity	100 Ah
Battery Module Charge Voltage	28.5V
Recommended Charge/Discharge Current	50A
Max. Charge Current	75A
Max. Discharge Current	130A
Depth of Discharge (DOD)	90%
Cycle Life	≥6000 Cycles
Dimension(W/D/H, mm)	468/414/225mm
Communication	CAN/RS485
WIFI Module	Optional
IP Grade	IP20
Weight	30kg
Charging Temp. Range	0°C~+55°C
Discharging Temp. Range	-20°C~+55°C
Compatible Inverters	Steca/Sorotec/Must/Victron/Growatt/SRNE
Certification	UN38.3/CE-EMC/IEC62619/ECE R10

* Test conditions: 0.2C Charging & Discharging, @25°C, 90% DOD