Floor Type Energy Storage Battery

LV-ESS-16 (APESS LITE)



Bluetooth + WiFi
real - time monitoring

Safer to Use
High-density LiFePO4 battery

Long Battery Life
6000 cycles life (DOD 80%)

Touch Screen Control
is availablefor this device

Stable & Reliable
BMS
Advanced BMS management

Widely Compatible
Compatible with mainstream inverters

Model	LV-ESS-16 (Apess Lite)

Basic Information

Nominal Voltage	51.2 VDC
Voltage Range	44V-58.4V
Nominal Capacity	314Ah
Rated Capacity	16.08KWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	15
Cycle Life	6000 cycles (@80% DoD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection

Charging Parameters

Recommended Charging Current	100A
Max. Charging Current	200A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V

Discharging Parameters

Recommended Discharging Current	100A
Max. Discharging Current	200A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	44V
Battery Recovery Voltage	48V

Product Functions

Screen Type	Touch Screen
Communication	Bluetooth + WiFi
Function	Auto-dialling communication
Fire Protection System	Built - in aerosol fire extinguisher

General Parameters

Dimension	750 x 500 x 245mm
Protection Rating	IP20
Net Weight	119.5kg
Shell Material	Sheet Metal

Certification & Safety Standard

Certification	CE /UN38.3,Class9

Temperature Parameters

Discharging Temperature	-20∽60℃
Charging Temperature	0∽55℃
Storage Temperature	-20∽45℃