

POWER
THE
ARC OF
LIFE

51.2V 314Ah LiFePO4 Battery

16kWh | Low Voltage Battery

- Grade A quality cells
- BMS-compatible, optimized for energy storage inverters
- Intelligent BMS for safe and reliable operation
- Suitable for residential or small commercial, off-grid or on-grid applications



TECHNICAL SPECIFICATIONS – AA-16.314-BL

PARAMETER	SPECIFICATION
Battery Type	LiFePO ₄
Nominal Voltage (V)	51.2
Capacity (Ah)	314
Rated Energy (kWh)	16.07
Usable Energy(kWh)	14.46
Configuration	16S1P
Operating Voltage Range (V)	46.4 – 56
Max Charge Current (A)	150
Max Discharge Current (A)	200
Communication	CAN / RS485
Parallel	Max. 16 units in parallel
Cycle Life	>6000 Cycles
Dimensions L×W×H (mm)	920× 500 × 250 ± 1
Net Weight (kg)	120± 1
Cooling	Natural cooling
Environment	Indoor
Mounting Options	Stand Alone
Discharge Temperature (°C)	-20 ~ +55 °
Charge Temperature (°C)	0 ~ +55 °
Storage Conditions	20°C to 30°C, up to 95% RH, non-condensing · SOC: 50% initial
Maximum Altitude	3000 m

*Test conditions: charge & discharge averagely at 25±2°C, at the beginning of life. Actual available energy may vary depending on charge/discharge rate, environmental conditions (e.g.temperature), transport and storage factors.