

ALPHA X ALL-IN-ONE

Lithium Iron Phosphate Battery

FEATURES

- Internal heat technology
- longevity of service
- IP65 waterproof and dustproof
- Flame retardant rating: UL94 V-0
- Green energy without metal contaminant
- Extremely high number of charge / discharge cycles
- In the extreme performance safety test, the battery will not catch fire, explode, or leak, and will be safer to use
- Sophisticated Battery Management System (BMS)
- Battery independent design / Scalable Li-Ion battery expansion
- Built-in 2 MPPT trackers and AC / Solar charger up to 120A
- Compatible to utility mains or generator power
- User-adjustable charging current and voltage
- Monitoring APP (Android and iOS) for real-time status display and parameter control
- Pure sine wave inverter



Specifications

Maximum PV Input Power	8000W
Rated Output Power	6500W
Maximum Charging Power	6500W
PV INPUT (DC)	
MPPT Range @ Operating Voltage	90-230VDC
Maximum PV Array Open Circuit Voltage	250VDC
Maximum Solar Charge Current:	120A
Number of MPP Trackers/Maximum Input Current	2/2x18A
AC INPUT	
Acceptable Input	90-140VAC (For Computers)
Voltage Range	80-140VAC (For Home Appliances)
CAPACITY	5120Wh
PARAMETERS	
Nominal DC Voltage	48VDC
Maximum Charging Current	120A
Nominal Voltage	51.2VDC
Full Charge Voltage (FC)	56V
Full Discharge Voltage (FD)	42V
Typical Capacity	100Ah
Max Continuous Discharging Current	120A
Max Discharging Current	192A at 1min
Protection	BMS, Breaker
Charge Voltage	52.5V
Charge Current	20A(0.2C)
Maximum Charge Current	50A(0.5C)
Inner Resistance	<20m ohm
PHYSICAL	
Battery Module Dimension	8.4x24.4x19.7in
Net Weight	99lb
System Dimension	19.7x26.0x49.2in
Net Weight	287lb
Compliance Safety	IEC 62619, EN 61000-6-3, EN 61000-6-1, UKCA, UN38.3, UL 1741, CSA C22.2 No.1071-16, FCC PART 15B