BLT 5.1C-S



BLT 5.1C-S is a residental low-voltage lithium battery for energy storage. It can be connected in parallel with up to 16 units, scaling the total capacity from 5.12KWh up to 81.92KWh. It provides robust power supply for home usage while maintaining high safety standards, reliable performance, and high return on investment.

BLT 5.1C-S



436 mm(W) x 650 mm(H) x 160 mm(D)
17.2 in(W) x 25.6 in(H) x 6.3 in(D)

FEATURES AND ADVANTAGES

Long life and safety

Premium prismatic $LiFePO_4$ cells and integrated manufacturing ensure over 8,500 cycles at 95% DoD.

Safe Lithium iron phosphate battery cell.

Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

1C Discharge

Class leading rate by Charge & Discharge

Safety Features

(1) Built in Aerosol Fire extinguisher

(2) Zero Thermal runaway Risk
CB-IEC62619, CE-EMC, UN38.3 , MSDS

(3) Built in DC Breaker

Plug & Play

Quick connect terminals with long wires for convenient, long life, safety and easy installation.

TECHNICAL SPECIFICATION

Model No		BLT 5.1C-S
Battery Type		LiFePO4
Voltage		51.2V
Operating Voltage		46-56V
Capacity		100Ah
Energy		5.12kWh
Scalability		Max 16pcs in parallel(81.92kWh)
Usable Energy		4.864kWh
Charge Current	Recommended	50A
	Max.	100A
Discharge Current	Recommended	50A
	Max.	100A
Peak Charge/Discharge Current		120A (2 min @25°C) Max Charge/Discharge
Built in DC Breaker		
Quick connect Terminals with cable length 2.05m		

Depth of Discharge (DoD)	95%
Cycle Life	⩾8500
Dimension (W/H/D)	436*650*160mm / 17.2*25.6.*6.3 in
Weight Approximate	N.W: 48.5kgs / 106.92 lbs
Master LED Indicator	4 LED (SOC:25% ~100%)
	2 LED (working, alarming, protecting)
IP Rating of Enclosure	IP20
Working Temperature	Charge: 0°C~ 55°C/ Discharge: -20°C~ 60°C
Storage Temperature	0°C ~ 35°C
Humidity	5% ~ 95%
Altitude	⩽4000m
Installation	Wallmounted, Rack-mounted
Communication	CAN2.0, RS485
Warranty Period	7 years
Certification	CB-IEC62619, CE-EMC, UN38.3, MSDS
Safety Protection	Built-in aerosol fire extinguisher
Compatible Inverters	Solis, Deye, Voltronic, Hoymiles, Growatt,Goodwe, etc

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

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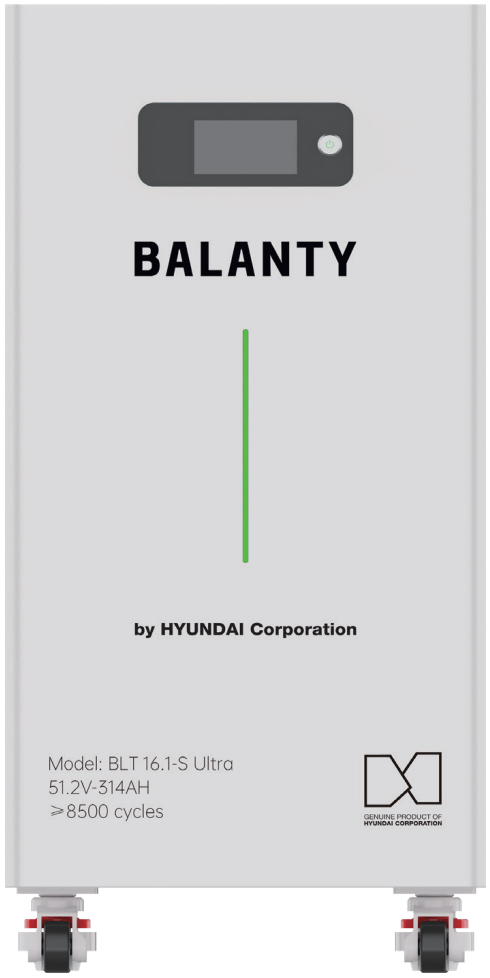
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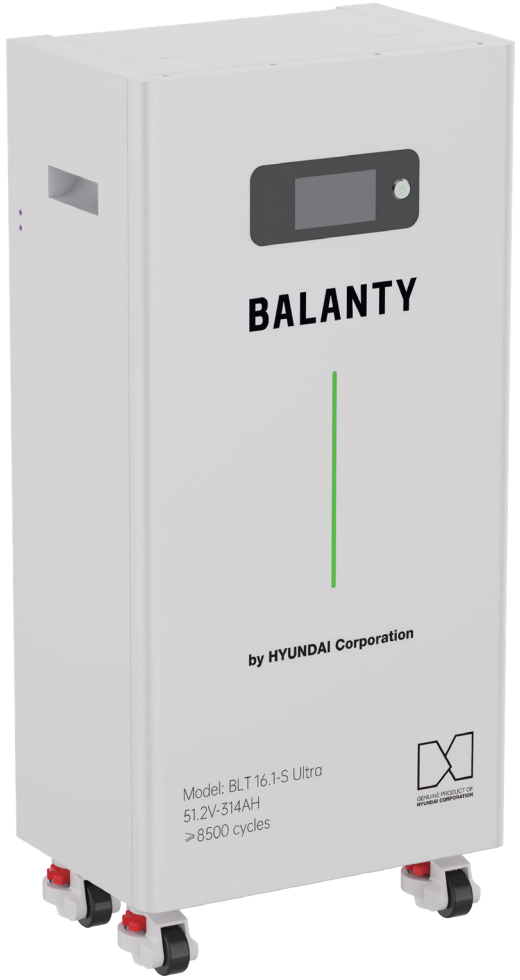
BLT 16.1S-Ultra



BLT 16.1S-Ultra is a residental low-voltage lithium battery for energy storage. It can be connected in parallel with up to 16 units, scaling the total capacity from 16.08KWh up to 257KWh. It provides robust power supply for home usage while maintaining high safety standards, reliable performance, and high return on investment.

BLT 16.1S-ULTRA





435 mm(W) x 850 mm(H) x 287 mm(D) 82 mm(wheel)
17.1 in(W) x 33.5 in(H) x 11.3 in(D) 3.2 in(wheel)

FEATURES AND ADVANTAGES

Long life and safety

Premium prismatic $LiFePO_4$ cells and integrated manufacturing ensure over 8,500 cycles at 95% DoD.

Safe Lithium iron phosphate battery cell.

Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

200A Discharge

Class leading rate by Charge & Discharge

Safety Features

(1) Built in Aerosol Fire extinguisher

(2) Zero Thermal runaway Risk
CB-IEC62619, CE-EMC, UN38.3 , MSDS

(3) Built in DC Breaker

WIFI Communication

Support WiFi communication for remote monitoring and services

Bluetooth Connection

(1) Remote Parameter Debugging, Easy & Efficient Maintenance

(2) Wireless Bluetooth Smart Monitoring, Full Data Visible in Real Time

TECHNICAL SPECIFICATION

Model No		BLT16.1-S Ultra
Battery Type		LiFePO4
Voltage		51.2V
Operating Voltage		46-56V
Capacity		314Ah
Energy		16.08kWh
Scalability		Max 16pcs in parallel (257.28kWh)
Usable Energy		15.276kWh
Charge Current	Recommended	157A
	Max.	200A
Discharge Current	Recommended	157A
	Max.	200A
Peak Charge/Discharge Current		200A (2 min @25°C) Max Charge/Discharge
Built in DC Breaker		
Built in Touch Screen Display		
Screw type Terminals with cable length 2.05m		

Depth of Discharge (DoD)	95%
Cycle Life	⩾8500
Dimension (W/H/D)	435*850*287mm / 17.1*33.45*11.3 in
Weight Approximate	N.W: 130kgs / 286.6 lbs
Master LED Indicator	LED strip
	Display SOC, status, alarms and faults
IP Rating of Enclosure	IP20
Working Temperature	Charge:0°C ~ 55°C / Discharge: -20°C ~ 60°C
Storage Temperature	0°C ~ 35°C
Humidity	5%~95%
Altitude	⩽4000m
Installation	Indoors, Stand only
Communication	RS485, CAN, WIFI
Warranty Period	7 years
Certification	CB-IEC62619, CE-EMC, UN38.3, MSDS
Safety Protection	Built-in aerosol fire extinguisher
Compatible Inverters	Solis,Deye,Voltronic,Hoymiles,Growatt,Goodwe,etc

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

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