

HYUNDAI

BALANTY BLT2.5-1C



GENUINE PRODUCT OF
HYUNDAI CORPORATION

BALANTY

Powered by HYUNDAI

-  Leading brand with 8000 life cycles
-  1.3 C Continuous Rate of Discharge
-  7 Years Replacement Warranty

BALANTY

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Model: BLT2.5-1C
25.6V-100AH
≥8000 cycles



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BLT2.5-1C is a multiple application low-voltage lithium battery for energy storage. It can be connected in parallel with up to 16 units, scaling the total capacity from 2.56 kWh up to 40.96 kWh. With a discharge rate of 1.3C, it provides robust power supply for backup/usage while maintaining high safety standards, reliable performance, and high return on investment.

The images shown are for illustration purposes only and may not be an exact representation of the product.

Brand Assurance: Hyundai Genuine Mark



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Quality Certification

To further strengthen consumer trust and confidence, all BALANTY products prominently feature the distinctive Hyundai Genuine Mark. This official certification mark serves as definitive proof that the product represents a genuine offering from Hyundai Corporation Holdings, meeting the highest standards of quality, performance, and reliability.

The Genuine Mark is consistently applied across all products, packaging materials, and marketing communications, creating a unified brand experience that consumers can immediately recognize and trust.

This mark provides comprehensive assurance to consumers regarding authenticity, superior quality, and long-term reliability, while reinforcing Hyundai's distinguished global reputation for excellence and innovation in energy solutions.

FEATURES AND ADVANTAGES

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Flexible Expansion
 Connect up to 16 units in parallel, with a scalable capacity from 2.56 kWh to 40.96 kWh
- 
1.3C Discharge
 Delivering power to multiple loads simultaneously, ensuring uninterrupted electricity supply
- 
Easy Installation
 30% more compact design for higher space efficiency
- 
All-round Safety
 Built-in short-circuit protection and surge resistance for safe, reliable operation
- 
Battery Equalization
 Supports for mixing modules at different SOC levels to extend overall battery lifespan
- 
Smart Management
 Real-time monitoring, remote control, and OTA updates for intelligent operation

TECHNICAL SPECIFICATION

Spec / Model	BLT2.5-1C
Cell Technology	LiFePO4
Nominal Battery Energy	2.56kWh
Nominal Voltage	25.6V
Nominal 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*	≥8000 Cycles / 7 Years
Dimension(W/D/H, mm)	481/221/133
Communication	CAN/RS485
WIFI Module	Optional
IP Grade	IP20
Weight	23kg
Charging Temp. Range	0°C-+55°C
Discharging Temp. Range	-20°C-+55°C
Compatible Inverters	Steca/Sorotec/Must/Victron/Growatt/Voltronics/Itel
Certification	UN38.3

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

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Information might be subject to change without notice during product improving.