HYPERCELL

HYPER NEO 2.0

LiFePO4
Lithium Battery

POWER TODAY.
SUSTAIN TOMORROW.



- 7 Inch Touch Screen
- 2A Active Cell Balancing
- Continuous 1C Rate
- Bluetooth & WiFi
- Smart BMS Real Time Monitoring
- CCS (Cell Contact System)
- 4X Reinforced Steel Belt Clamping
- DOD 97% Depth Of Discharge
- 300kg Precision Cell Compression
- 4X Aluminium Heat Sink End Plates

CE UN38.3 MSDS IP40 ROHS

SMARTER. STRONGER. SAFER.

BUILT FOR PERFORMANCE.
ENGINEERED TO LAST.

HYPERCELL

HYPER NEO 2.0

LiFePO4 Lithium Battery

51.2V NOMINAL VOLTAGE | **100Ah** CAPACITY | **5120Wh** ENERGY



CE UN38.3 MSDS IP40 ROHS

KEY FUNCTIONS

- 7 Inch Touch Screen
- 2A Active Cell Balancing
- Continuous 1C Rate
- Bluetooth & WiFi
- Smart BMS Real Time Monitoring
- CCS (Cell Contact System)
- 4X Reinforced Steel Belt Clamping
- DOD 97% Depth Of Discharge
- 300kg Precision Cell Compression
- 4X Aluminium Heat Sink End Plates
- Storage
- Cell Capacity
- Small Shift
- Shunt Release / Trip Device
- Charging Current Limiting - CCL
- Dry Contacts
- Heater
- Buzzer
- Reverse-Polarity Protection
- Weak-Current Switch
- Light-Strip Interface
- Dial Switch
- Sampling Socket
- Barcode / QR Code
- Communication Method
- Firmware Upgrade Method
- Manual and Automatic Address Coding
- LED and Light-Bar Function Selection

PROTECTION FEATURES

- S Single Over-Charge Protection
- S Individual Over-Discharge Protection
- S Total Voltage Over-Charge Protection
- T Total Voltage Under-Voltage Protection
- S Charging Over-Current Protection
- S Discharge Over-Current 1 Protection
- 00 Short-Circuit Protection
- D MOS Over-Temperature Protection
- D Cell Temperature Protection
- HO Environmental Temperature Protection
- D Self-Consuming Current
- 05 Capacity Default Settings
- 05 Sleep Function
- HU Cell Failure Protection
- H Full Cut-Off Parameter

PRODUCT SPECIFICATIONS

Case Design	Floor Standing / Wall Mount
Battery Type	LiFePO4
Nominal Battery Voltage (Volt)	51.2V/51.2V
Nominal Capacity (Ah)	100Ah
Nominal Capacity (Wh)	5120Wh
Standard Charge Voltage / Power	56.0V/5600W
Operation Voltage Range	44.8-58.4V
Max Continuous Discharge Current	100A
Parallel Function	Support 16 Units in Parallel
Max Continuous Charge Current	100A
Cycle Life	6000 Cycles
Cycle Life at 25 °C	(80% DOD) 6000-8000 Cycles
Charging/Discharging Temperature	-10-65°C/-25-65°C
Wi-Fi/Bluetooth	Built-in
Storage Temperature	-25°C-75°C
IP Degree	IP40
Storage Duration	3 Months at 25°C
Safety Standard	UN38.3, MSDS
Communication Port (Optional)	RS485, RS232, CAN

DIMENSIONS & WEIGHT

560 x 480 x 150 mm

50.7 kg

(Including 1.7KG wall bracket)