E-NE0100/51.2V

EURONET NEO LITHIUM BATTERY – 51.2V 100Ah

Compact LiFePO4 Battery | CAN / RS485 + Bluetooth



NOMINAL VOLTAGE	ENERGY
51.2V	5.12kWh
MAX DISCHARGE	**CYCLE LIFE**
100A	6000 @ 80% DoD
DISPLAY	**MAX PARALLEL UNITS**
Keypad	15

OVERVIEW

The EURONET NEO 51.2V 100Ah (E-NE0100/51.2V) is a compact LiFePO4 battery storing 5.12kWh at 51.2V, a higher voltage that reduces cable losses compared with 25.6V systems. 100A maximum discharge provides 5.12kW of sustained output, and a keypad display shows battery status in real time. CAN/RS485 communication works with major solar inverter brands, with Bluetooth for app monitoring. At 45kg in an IP21 galvanized steel enclosure, it is rated for 6000 cycles at 80% DoD and up to 15 units can be connected in parallel for 76.8kWh.

KEY FEATURES

Higher Voltage Architecture
51.2V nominal reduces cable losses compared with 25.6V systems delivering an equivalent power output

100A Discharge at 5.12kW
100A maximum continuous discharge for sustained output, with 70A standard and 100A max charging

Keypad Display
On-unit keypad display for real-time monitoring of voltage, current, charge level and fault status

CAN / RS485 + Bluetooth
Full inverter communication for automated charge and discharge, plus Bluetooth app monitoring

Galvanized Steel Enclosure
IP21 galvanized steel shell for indoor and sheltered installations: 45kg, 607.7×362.5×162.3mm in size

15-Unit Parallel
Scale from 5.12kWh to 76.8kWh across up to 15 parallel units, each rated 6000 cycles at 80% DoD

TECHNICAL NOTE

51.2V / 100Ah / 5.12kWh. Charging voltage 58.4V. Standard charge 70A, max 100A. Max discharge 100A (5.12kW). Keypad display. CAN/RS485 + Bluetooth. IP21 galvanized steel. Up to 15 units in parallel (76.8kWh). Operating temperature -20°C to +55°C. Cycle life 6000 @ 80% DoD. Weight 45kg, 607.7×362.5×162.3mm.

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E-NE0100/51.2V

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	E-NE0100/51.2V
Series	NEO 51.2V Lithium Battery Series
Battery Type	LiFePO4 battery
Nominal Voltage	51.2V
Rated Capacity	100Ah
Rated Energy	5.12kWh (5120Wh)
Display	Keypad display
CHARGE & DISCHARGE	
Charging Voltage	58.4V
Standard Charging Current	70A
Max Charging Current	100A
Max Discharge Current	100A (5.12kW)
Discharge Cut-off Voltage	Not available
BMS PROTECTION	
Over-temperature	MOS over-temperature protection
Cell Temperature	Cell temperature protection
Over-current	Charging / discharging over-current protection
Alarm	Environmental temperature alarm

PARAMETER	SPECIFICATIONS
COMMUNICATION & EXPANSION	
Communication	CAN / RS485 + Bluetooth
Bluetooth	HLK-B35, Alibaba Cloud firmware
Inverter Compatibility	Major solar inverter brands
Max Units in Parallel	15
Max System Capacity	76.8kWh (15 units)
PHYSICAL	
Weight	45kg
Dimensions	607.7×362.5×162.3mm
Shell Material	Galvanized steel sheet
IP Rating	IP21
ENVIRONMENT & LIFE	
Charging Temperature	-20°C to +55°C
Operating Temperature	-20°C to +55°C
Cycle Life	6000 cycles @ 80% DoD
Certifications	Not available

**Specifications are subject to change without prior notice.*

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