NEO 51.2V 410Ah

EURONET NEO LITHIUM BATTERY – 51.2V 410Ah

High-Capacity LiFePO4 Battery | Touch Display



NOMINAL VOLTAGE	ENERGY
51.2V	20.992kWh
MAX DISCHARGE	**CYCLE LIFE**
200A	6000 @ 80% DoD
ROUND-TRIP EFFICIENCY	**MAX PARALLEL UNITS**
>98%	15

OVERVIEW

The EURONET NEO 51.2V 410Ah stores 20.992kWh at 51.2V and is engineered for commercial solar storage, telecom backup and large off-grid installations. Grade-A LiFePO4 cells with greater than 98% round-trip efficiency deliver 200A maximum continuous charge and discharge (10.24kW sustained output) from a single enclosure. A touch display gives on-unit monitoring, and CAN/RS485 communication with optional Wi-Fi and Bluetooth provides full inverter integration. At 184kg with a 872×252×735mm footprint, it supports up to 15 units in parallel for 314.88kWh, and is certified to UN38.3, MSDS, CE and IEC.

KEY FEATURES

High Capacity Density
20.992kWh in a single enclosure reduces unit count and installation work for large storage systems

200A / 10.24kW Output
200A maximum continuous charge and discharge for commercial loads, telecom towers and off-grid sites

Wide Voltage & Storage Range
Operating voltage range 43.2V–58.4V, with storage rated -20°C to 60°C (recommended -10°C to 35°C)

CAN / RS485 + Wi-Fi / Bluetooth
Works with major solar inverter brands, with optional Wi-Fi and Bluetooth app connectivity for monitoring

15-Unit Parallel
Connect up to 15 units in parallel to scale storage from 20.992kWh up to 314.88kWh as demand grows

Globally Certified
UN38.3, MSDS, CE and IEC certified for safe transport and for international deployment across markets

TECHNICAL NOTE

51.2V / 410Ah / 20.992kWh. Voltage range 43.2V–58.4V. Charging voltage 57.6V recommended, 58.4V max. Charge current 140A recommended, 200A max. Discharge voltage 44.8V recommended, cut-off 43.2V. Max discharge 200A. Round-trip efficiency >98%. 184kg, 872×252×735mm. Up to 15 in parallel. Certified UN38.3 / MSDS / CE / IEC.

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NEO 51.2V 410Ah

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	NEO 51.2V 410Ah
Series	NEO 51.2V Lithium Battery Series
Cell Chemistry	Grade-A LiFePO4
Nominal Voltage	51.2V
Rated Capacity	410Ah
Rated Energy	20.992kWh
Display	Touch display
CHARGE	
Voltage Range	43.2V–58.4V
Recommended Charging Voltage	57.6V
Max Charging Voltage	58.4V
Recommended Charge Current	140A
Max Continuous Charge Current	200A
DISCHARGE	
Recommended Discharge Voltage	44.8V
Discharge Cut-off Voltage	43.2V
Max Continuous Discharge Current	200A
Sustained Output	10.24kW
Round-trip (Ah) Efficiency	>98%

PARAMETER	SPECIFICATIONS
COMMUNICATION & EXPANSION	
Communication	CAN / RS485
App Connectivity	Wi-Fi & Bluetooth (optional)
Inverter Compatibility	Major solar inverter brands
Max Units in Parallel	15
Max System Capacity	314.88kWh (15 units)
PHYSICAL	
Weight	184kg
Dimensions	872×252×735mm
IP Rating	Not available
ENVIRONMENT & LIFE	
Operating Temperature	Not available
Storage Temperature	-20°C to 60°C (recommended -10°C to 35°C)
Cycle Life	6000 cycles @ 80% DoD
BMS & CERTIFICATION	
BMS Protection Details	Not available
Certifications	UN38.3 · MSDS · CE · IEC

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

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