NEO 51.2V 628Ah

EURONET NEO LITHIUM BATTERY – 51.2V 628Ah

High-Capacity LiFePO4 Battery | Touch Display



NOMINAL VOLTAGE	ENERGY
51.2V	32.154kWh
MAX DISCHARGE	**CYCLE LIFE**
300A	6000 @ 80% DoD
ROUND-TRIP EFFICIENCY	**MAX PARALLEL UNITS**
>98%	15

OVERVIEW

The EURONET NEO 51.2V 628Ah stores 32.154kWh at 51.2V and is engineered for industrial microgrids, large commercial solar storage and heavy-duty backup power. It is the highest-capacity model in the NEO range, with Grade-A LiFePO4 cells, greater than 98% round-trip efficiency and 300A maximum continuous discharge (15.36kW sustained output). A touch display gives on-unit monitoring, and CAN/RS485 communication with optional Wi-Fi and Bluetooth provides full inverter integration. At 243kg with a 872×252×877mm footprint, it supports up to 15 units in parallel for 482.31kWh, and is certified to UN38.3, MSDS, CE and IEC.

KEY FEATURES

Maximum Single-Unit Capacity
32.154kWh per enclosure delivers the highest storage density in the NEO range for large sites

300A / 15.36kW Output
300A maximum continuous discharge, with 200A recommended and 300A maximum continuous charge current

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 32.154kWh up to 482.31kWh 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 / 628Ah / 32.154kWh. Voltage range 43.2V–58.4V. Charging voltage 57.6V recommended, 58.4V max. Charge current 200A recommended, 300A max. Discharge voltage 44.8V recommended, cut-off 43.2V. Max discharge 300A. Round-trip efficiency >98%. 243kg, 872×252×877mm. Up to 15 in parallel. Certified UN38.3 / MSDS / CE / IEC.

© 2026 Euronet Technologies LLC. All rights reserved. | ISO 9001:2015 Certified

NEO 51.2V 628Ah

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	NEO 51.2V 628Ah
Series	NEO 51.2V Lithium Battery Series
Cell Chemistry	Grade-A LiFePO4
Nominal Voltage	51.2V
Rated Capacity	628Ah
Rated Energy	32.154kWh
Display	Touch display
CHARGE	
Voltage Range	43.2V–58.4V
Recommended Charging Voltage	57.6V
Max Charging Voltage	58.4V
Recommended Charge Current	200A
Max Continuous Charge Current	300A
DISCHARGE	
Recommended Discharge Voltage	44.8V
Discharge Cut-off Voltage	43.2V
Max Continuous Discharge Current	300A
Sustained Output	15.36kW
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	482.31kWh (15 units)
PHYSICAL	
Weight	243kg
Dimensions	872×252×877mm
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.*

© 2026 Euronet Technologies LLC. All rights reserved. | ISO 9001:2015 Certified