

High-Rate Data Center UPS Battery System

160 Cell 512VDC



MPLhE5128082

The MPINarada MPL High Energy Series Lithium Iron Phosphate (LFP) battery systems are designed for high-rate discharges and cover a wide range of UPS solutions. MPLhE systems can operate in temperature ranges up to 35C, while delivering exceptional warranty, safety, and life.

FEATURES

- System & String Level Protection
- 20-Year Design Life Solution Delivering Up to 164kW
- Lithium Iron Phosphate (LFP) Chemistry Safety
- Standard System HMI Display / Control
- Discharge Down to 30 minutes
- Flexible 51.2V Module Design
- Breaker Standard with BMS Controlled Contactors
- Dry Contact Alarming for UPS Charge and Discharge Control
- VRLA Battery Drop-In Replacement Ready
- DC Self Powered BMS, No AC Power Drop Required
- Prepopulated System, No On-site Module Assembly



High Power Lithium UPS Battery System



SPECIFICATIONS

MODULE

SYSTEM

Part Number	51.2NESP160	MPLhE-5128082
Nominal Voltage	51.2 V	512 V
Capacity (Ah)	160	160
Discharge Current (Max)	320	320
Charge Voltage (V)	56.2	562
Discharge End Voltage (V)	44	440

SYSTEM WEIGHTS & DIMENSIONS

Dimensions (mm / in)	Width	415 / 16.3	1050 / 41.3
	Depth	600 / 23.6	700 / 27.6
	Height	265 / 10.4	1872 / 73.7
Weight (Kg / lbs)		73.8 / 162	960 / 2112

TEMPERATURE RANGE

Charge	0°C to 55°C
Discharge	-20°C to 55°C
Storage	0°C to 40°C
Operating	15°C to 35°C



OPERATING PARAMETERS

- 372A continuous current (Constant Power Discharge)
- 164kW Continuous Power

CERTIFICATIONS

- Seismic Tested & Certified to CBC/IBC Zone 4 /IF 1.5
- UL1964 cell, UL1973 System
- UL9540A Tested – No Thermal Runaway No Propagation
- UN38 Certified Compliant
- IEC 62618 Certified
- ROHS, REACH