

High-Rate Data Center UPS Battery System

144 Cell 461VDC 352kW



MPL51211050

The MPINarada MPL High Power Series Lithium Iron Phosphate (LFP) battery systems are designed for high-rate discharges, short duration < 5min. MPL battery systems can operate in temperature ranges up to 35C, while delivering exceptional warranty, safety, and life.

FEATURES

- System & String Level Protection
- 20-Year Service Life Solution Delivering Up to 352kW continuous.
- Safe Lithium Iron Phosphate (LFP) Chemistry
- Standard System HMI Display / Control / SMTP /Modbus TCP
- Discharge Down to < 3 minutes
- Flexible 51.2V Module Design
- Breaker Standard with BMS Controlled Contactors for Start-Stop Operation
- Dry Contact Alarming for UPS Charge and Discharge Control
- VRLA Battery Replacement Ready
- DC Self Powered BMS
- Prepopulated System, No On-site Module Installation
- Exhibits No Thermal Runaway or Flame Propagation under UL9540A Testing



High Power Lithium UPS Battery System



SPECIFICATIONS

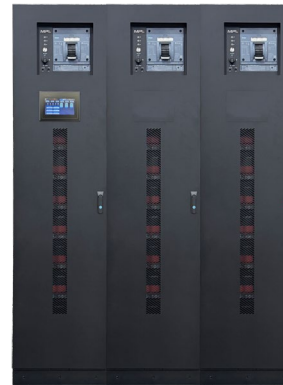
	MODULE	SYSTEM
Part Number	NHPL512110	MPL51211050
Nominal Voltage	51.2 V	461 V
Rated Capacity Ah/kWh	110/5.64	110/50.8
Charge Voltage Range	56.0-57.0	504-513
Discharge End Voltage Range	42.0-46.5	396-418.5

CONTAINER and ENVIRONMENT

Dimensions (mm / in)	Width	Depth	Height
	420 / 16.5	435 / 17.2	165 / 6.5
		530 / 20.9	915 / 36.0
			2138 / 84.2
Weight (Kg / lbs)	77 / 136		1000 / 2100

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



(3) Cabinet System – 1056kW

OPERATING PARAMETERS

- 900A Maximum current 30 seconds
- 800A continuous current (Constant Power Discharge)
- 352kW Continuous Power

CERTIFICATIONS

- Seismic Tested to IBC 2021/CBC 2022, and ASCE 7-16. SDS
- UL1964 cell, UL1973 System Listed
- UL9540A Tested - No Thermal Runaway – No Spacing
- UN38 Certified Compliant
- IEC 62619