

Cadenza Module 50

19" 2U / 50 Ah 48v Lithium-Ion Battery



SPECIAL FEATURES & BENEFITS

Cadenza Innovation is offering one of the safest and most reliable energy storage systems for power backup in hybrid, off-grid, and grid-connected solutions. Based on patented battery technology, this Cadenza energy storage system enables higher performance, lower maintenance, lower carbon footprint, all resulting in a lower total cost of ownership compared to VRLA Lead-Acid batteries.

This unit can be configured from the factory for high temperature and remote area use, tied to solar, wind or other electrical generation.

KEY BENEFITS

- Direct replacement for Lead-Acid
- Slim 2U modules compatible with 19" racks
- Low weight compared to Lead-Acid
- High safety and reliability
- Low maintenance
- High energy density
- Long cycle life
- Support for parallel connection
- Intelligent BMS system with automatic voltage balancing
- Optional high temperature performance configuration
- Optional real-time local and remote monitoring

LEAD-ACID VS LITHIUM-ION BATTERIES

BATTERY WEIGHT

Lead-Acid



100 %

Lithium-ion



35 %

USABLE ENERGY

Lead-Acid



50 %

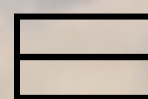
Lithium-ion



100 %

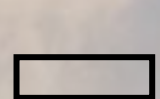
BATTERY VOLUME

Lead-Acid



100 %

Lithium-ion



50 %

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TECHNICAL SPECIFICATION	CI – 48V 50Ah LFP 19" 2U
Capacity	50 Ah
Rated Energy	2560 Wh
Nominal Voltage	51.2 VDC
Maximum Recharge Voltage	57.6 VDC
Energy Density	102.4 Wh/Kg
Maximum Charge Current	50 A
Maximum Discharge Current	50 A
Dimensions	W 440 mm (17.0") x H 88 mm (3.5") x D 390 mm (15.14")
Weight	25 kg (55 lbs)
Protection Class	IP20
Recommended Temperature Range	Recharge: 0 to +55 °C Discharge: -20 to +60 °C +32 to +131 °F -4 to +140 °F
Protection	Over/Under voltage protection (Cell & System) High/Low temperature protection Short/Over current protection
Higher Current Applications	Modules can be connected in parallel
Certifications	UL1973 and UN38.3, 9540A pending