stored energy solutions for a demanding world

Model: 48NPFC100 (3U)

NPFC Series

Narada NPFC series is a complete range of 48V $LiFePO_4$(Lithium Iron phosphate) battery products, for a wide variety of applications, such as telecom base station, UPS, renewable energy system, etc., with advanced life, standard size, light weight and strong environmental adaptability.

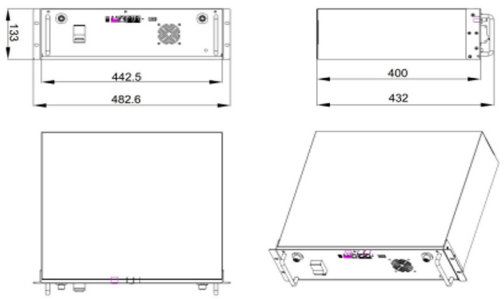


Battery Management System(BMS)

For standard Narada lithium battery module, BMS is applied to monitor voltage, current, temperature of cells and module, take protections against over-charge, over-discharge, over-current, over-temperature,under-temperature and short circuit, etc., and provide cell balancing and current limitation during charging process to ensure a reliable safety and excellent performance.

Meantime, Narada supply customized upper computer software for BMS communication via RS485 to set parameters or read monitoring data.

Dimensions-mm



Specifications

Battery Specification		**15S**
Rated Voltage		48V
Rated Capacity		100Ah (0.2C to 40.5V @ 25℃)
Discharge Current (Max.)		100A
Discharge End Voltage		40.5V
Charge Current (Recomm.)		20A
Charge Current (Max.)		100A
Charge Voltage		54.0±0.5V
Dimensions	Width	442.5 mm
	Depth	400 mm
	Height	133 mm
Typical Weight		Approximate 38.5 Kg
IP Level		IP 20
Layout of Front Pannel		
Status Indicators		SOC / ALM / RUN
Communication Ports		RS232 / RS485*2
Communication in Parallel		8 modules in parallel maximum
Reset Key		Available
Terminal Size		M8 (Screw size)
LCD Screen		Optional
Breaker		Available
Dry contact		Available
Operation Environments		
Temperature Range	Discharge	-20 to + 60℃
	Charge	0 to + 60℃
	Storage	0 to + 40℃
Temperature Recommendation	Discharge	+15 to + 35℃
	Charge	+15 to + 35℃
	Storage	+15 to + 30℃
Humidity		5% to 95%

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