

Narada

NPFC Series



INTRODUCTION

- LiFePO₄ (Lithium Iron phosphate) battery.
- Capacity coverage: 48V/10-200Ah, matching different backup scenarios.
- Deep cycle, long life, excellent discharge rate performance, high energy density.
- Intelligent battery management system ensures the safe operation of batteries.
- Comply with UN38.3, UL1973, IEC62620, IEC62133, CE etc.
- Design life at 25°C (77°F) : 15 years.
- Applications: Telecommunication, UPS system, Power system and Small energy storage system.

TECHNICAL CHARACTERISTICS

- Modular design, small size light weight, and easy installation.
- Wide adaptation, good compatibility with a variety of mainstream brand equipment.
- Anti-theft function: configured software anti-theft and physical anti-theft.
- Customized GPS/GPRS module, global positioning, online monitoring of battery operation.
- Communication mode: CAN, RS485, TCP/IP and other communication interfaces to match customized protocols.

GENERAL SPECIFICATION

Type	Dimension (mm)			Battery Output Terminal Φ	Weight (kg)
	Width (No ear)	Height	Depth		
48NPFC10	442.0	44.0	243.0	M4	6.4
48NPFC20	442.0	88.0	243.0	M4	10.5
48NPFC50	442.5	132.5	390.0	M6	28.5
48NPFC80 (3U)	442.5	132.5	400.0	M6	37.5
48NPFC100 (5U 19")	442.5	222.0	400.0	M6	44.0
48NPFC100 (3U 19")	442.5	133.0	400.0	M8	39.0
48NPFC150 (5U 19")	442.5	222.0	480.0	M8	70.0
48NPFC160 (5U 19")	442.5	222.0	480.0	M8	70.0
48NPFC200 (5U 19")	442.5	222.0	480.0	M8	76.0

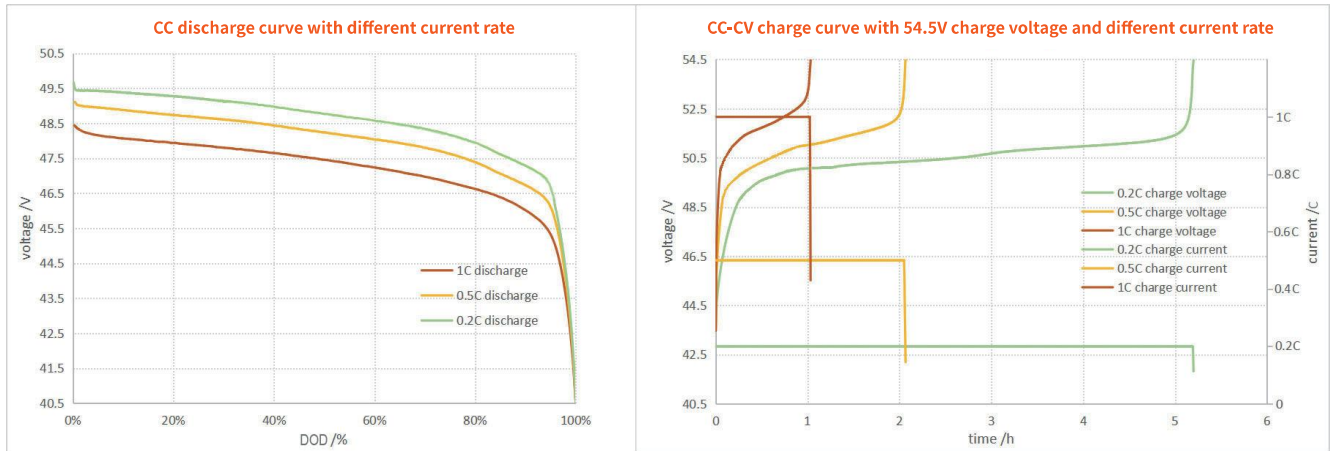
Constant Current Discharge Characteristics /for one module (25°C,77°F)

End voltage	Current(A)	0.1C	0.2C	0.33C	0.5C	0.8C	1.0C
	Time	Hours					
46.5V		9.73	4.85	2.93	1.90	1.15	0.90
45.0V		9.92	4.96	3.00	1.96	1.20	0.93
43.5V		10.05	5.03	3.05	2.00	1.23	0.96
42.0V		10.13	5.07	3.08	2.02	1.25	0.98
40.5V		10.18	5.10	3.09	2.03	1.26	1.00

48NPFC100 Discharge Data with Constant Power/for one module (25°C, 77°F)

End voltage	Power	480W	960W	1580W	2400W	3800W	4400W
	Time	Hours					
46.5V		9.83	4.89	2.92	1.85	1.05	0.82
45.0V		10.02	4.99	3.01	1.91	1.11	0.86
43.5V		10.13	5.05	3.05	1.95	1.15	0.90
42.0V		10.21	5.09	3.08	1.98	1.18	0.93
40.5V		10.25	5.12	3.09	2.00	1.20	0.95

Performance Curves



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Any datasheet issued previously is invalid when new version releases.



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