

1. Scope

1.1 This document describes the product specification of the Li-FePO4 rechargeable battery cell supplied by Nipress.

1.2 This specification is applied to battery pack of 12V50Ah project and products similar to 4S2P battery module

2. Specification

Model		NS-BP1250-PJU
Nominal Voltage		12V ~ 13.5V
Nominal Capacity		50Ah ± 2 Ah
Internal Impedance		≤ 25 mΩ
Charge Current		Std : 25 A/ Max : 45 A
Charge Voltage		14.6 V ± 0.2V
Charge Method		CC-CV
Discharge Current		Std : 25 A/ Max : 45 A
Discharge Cut-off Voltage		11.4V ± 0.5V
Operating Temperature	Charge	-20 ⁰ C ~ 60 ⁰ C
	Discharge	-10 ⁰ C ~ 80 ⁰ C
Storage	Temperature	-10 ⁰ C ~ 40 ⁰ C
	Relative Humidity	< 80%
Approximate Weight		13.6 Kg
Dimensions	Length	552 mm
	Width	405 mm
	Height	70 mm



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