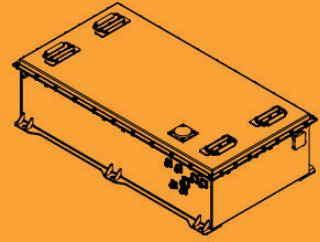


LFP CHEMISTRY LITHIUM BATTERY

DATA SHEET

NE 83.2V 200Ah



WARRANTY
36
MONTHS

SPECIFICATIONS

General Characteristics	Model Name	83.2V 200Ah
	Nominal Voltage (V)	83.2
	Capacity (Ah)	200
	No. of cell in series	26
	No. of cell in parallel	2
	Total No. of cell	52
	Cell Type	Prismatic Highstar - (100Ah)
	Chemistry	LFP
Electrical Characteristics	Maximum cut-off voltage (V)	94.9 (-2.6)
	Minimum cut-off voltage (V)	72.8 (+2.6)
	Charging Voltage (V)	92.3
	Charging Mode	CC-CV
	Recommended charging current (A)	50.0
	Maximum AC charging current (A)	75.0
	Maximum DC charging current (GB/T) (A)	100.0
	Maximum Continuous discharging current (A)	200.0
	Peak discharging current (A)	300.0 for 10Sec
	Cycle Life (0.5C/0.5D)	1500
	DOD Level (%)	90
	Cell over voltage Protection	3.65
	Cell over voltage release	3.55
	Cell under voltage Protection	2.8
	Cell under voltage release	2.9
Protection	Cell under voltage protection	Yes
	Cell over voltage Protection	Yes
	Over current protection	Yes
	Short circuit protection	Yes
	Temperature protection	Yes
	Working Temperature (°C)	0 - 55
Temperature	Storage Temperature (°C)	0 - 45
	Weight (Kg)	185Approx.
Others	Baud Rate	250kbps
	Dimension (LxWxH)	(950x553.6x278) mm
	IOT	Yes
	Pressure Vent	Yes
	IP Rating	IP67
	Power Connector	HVP 100A for AC charging & DC charging (GB/T) and HVP 200A for discharging
	Communication Connector	CNLINKO LP24 (24Pin)

BMS PARAMETER

Feature	Test Items	Specification			Unit
		Min	Typical	Max	
Operating Voltage	Voltage Range	94.9		72.8	V
Operating Current (continuous)	Charge Current			100	A
	Discharge Current			200	A
Charge Protection	Charger Voltage (CC-CV)		92.3		V
	Overcharge protection voltage		3.65		V
	Overcharge protection delay time		1		S
	Overcharge protection recovery voltage		3.55		V
Discharge Protection	Over discharge protection voltage		2.8		V
	Over discharge protection delay time		1		S
	Over discharge protection recovery voltage		2.9		V
Equalization function	Equalization turn-on voltage		3.40		V
	Equalization current		50		mA
Temperature(built-in)	Temperature protection value for charge			55	°C
	Temperature protection release value for charge			50	°C
	Temperature protection value for discharge			65	°C
	Temperature protection release value for discharge			55	°C
Internal resistance	Discharge circuit internal resistance	/	5	20	mΩ
Self-consumption	Operating mode	/	50	100	uA
Operating temperature	Normal working range	0		55	°C
Storage temperature	Humidity below 90%	0		45	°C

BMS FEATURES

BMS provides complete management and protection for the battery.

Voltage, Current, Temperature warning and protection.

Maximum operating current can be customized.

Short circuit protection function.

Balance function. Control and balance the voltage between cells during charging and idle.

It can be connected to the display screen to display the SOC and various working conditions of the battery.

Communication function (CAN, RS485)

Connect to computer through PC BMS software and dedicated cable.

PC BMS software could realize: Monitor all parameters of battery Monitor battery status, alarms, protection, errors.

WARNING

During their use, the batteries should be kept away from heat sources and high voltages.

Do not dismantle or assemble the batteries by yourself.

Do not heat and burn of the batteries and throw them in fire.

Damping of the battery is prohibited.

Avoid charging battery near a fire source or in direct sunlight.

The battery should not be damaged by means of methods like knocking metallic things into the battery, hammering the battery, knocking it violent or etc.

Welding is not allowed to be conducted on the battery.

Do not directly contact with the leaking battery.

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