

## INNOVA LIFEPO4 48V100AH



- ▶ • Extended life cycle
- Extended safety performance
- Unrivalled high temperature performance
- Green energy without metal contaminant
- High capacity
- Steady output voltage
- Little self-discharge
- Double safety protection
- Very high level of vibrations and shocks resistance
- Over-charge/Over-discharge resistance, no fire, no explosion
- Over-discharge, no fire, no explosion
- Short circuit resistance , no fire, no explosion
- Puncture resistance

Characteristics	INNOVA 48V100Ah	
Nominal Voltage	48 V	
Nominal Capacity	100 Ah	
Impedance (max. at 1000 Hz)	≤55 mΩ	
Expected Cycle Life	2000 cycles	
Width	320±2mm	
Depth	430±2mm	
Height	262±2mm	
Weight	~64 kg	
Charge Method	CC-CV (Constant Current/Constant Voltage)	
Max. Charge Voltage	58 V	
Continuous Charge Current	20A (0.2C)	
Charge Temperature	0°C ~ 45°C	
Continuous Discharge Current	110A	
Peak Instant Discharge Current	155A (5 seconds)	
Discharge Cut-off Voltage	20.0 V	
Discharge Temperature	-20°C ~ 65°C	
Storage Temperature	-20°C ~ 45°C	
Over charge Protection	Over charge detection voltage	390± 0,05 V
	Over charge release voltage	345± 0,05 V
	Maximum charge voltage	365± 0,05 V
	Maximum charge current	≤ 50A
Over discharge protection	Over discharge detection voltage	2.0 ± 0.1 V
	Over discharge detection delay time	≤ 167 ms
	Over discharge release voltage	2.3 ± 0.075V
Over current protection	Over current detection current	≤ 155A
	Detection delay time	≤ 1s
	Release condition	Cut load
	Maximum continuous current	≤ 110A
Short circuit protection	Detection condition	Exterior short circuit
	Detection delay time	230 ~ 500 μs
	Release condition	Cut short circuit
Cells Balancing	Balancing current	40 ± 10mA
	Balancing voltage	3.60 ± 0.01V

**ELECTROCELL<sup>®</sup>**

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