



Low Voltage Lithium Energy Storage System



Model		12V45-LIFE	12V100-LIFE
Electric core	Capacity	45Ah	100Ah
	Nominal voltage	3.2V	3.2V
	Nominal internal resistance	≤1mΩ	≤1mΩ
	Combination mode	4series and 3 parallel	4series and 2 parallel
	Matching standard	tolerance≤1%	tolerance≤1%
	Single section internal resistance range	≤0.5mΩ	≤0.5mΩ
	Single section voltage difference	≤5mV	≤5mV
	Charge retention capacity	≥90%	≥90%
Finished product parameters	Nominal voltage (V)	12.8	12.8
	Nominal capacity (ah)	45	100
	Minimum capacity (ah)	45	100
	Charging cutoff voltage (V)	14.6	14.6
	Discharge cutoff voltage (V)	10	10
	Maximum continuous discharge current (a)	45	100
	Standard charging current (a)	10	20
	Suitable temperature for charging	0	45
	Suitable discharge temperature	-20	65
	Battery size (L*W*H)	198*166*176mm	405*175*230MM
	Battery weight	7kg	13kg
	Storage temperature range	-40	55
Storage ambient humidity (RH)	5%	<8(
management system	Single over-voltageprotection value	3.65V	
	Over-voltagerelease value	3.5V	
	Single under-voltageprotection value	2.5V	
	Under voltagerelease value	2.7V	
	Over currentprotection value	90A	200A

* Other sizes available on request