



AYAA TECHNOLOGY CO.,LTD
PCM Specifications

LiFePO4 Single Cell

item		Parameter	Remark
Nominal capacity		100Ah	(25±2)℃, Standard charge/discharge
Nominal voltage		3.2V	
AC Impedance resistance (1KHz)		≤0.5mΩ	
Standard charge/discharge	Current of charge/discharge	0.5C/0.5C	(25±2)℃
	Cut-off voltage of charge/discharge	3.65V/2.5V	
Maximum current of charge/discharge	Constant charge/discharge	1C/1C	Refer to constant/pulse charge or discharge MAP
	Pulse charge/discharge (30s)	2C/2C	
Recommend SOC window		10%~90%	N.A.
Charge temperature		0℃~55℃	Refer to constant/pulse charge or discharge MAP
Discharge temperature		-20℃~55℃	
Storage temperature	1 month	-20℃~45℃	N.A.
	1 year	0℃~35℃	
Storage humidity		<95%	
Self-discharge rate per month		≤3%/per month	(25±2)℃, 30%~50%SOC storage
SIZE	Width	160.0±0.5mm	Refer to appendix 1
	Thickness (30%-40%SOC)	49.9±0.5mm	
	Height (total)	118.5±0.5mm	
	Height (subject)	115.7±0.5mm	
	Tabs distance	97.0±0.3mm	
Weight		1920±50g	