



Safety Certified via:
MSDS, UN38.3

contact details

+86-755-2838 0586
office@wirentech.com
www.wirentech.com
Operation center (China) : 201, Bld 1, Luwu Branch
No. 6407 Pingshan Avenue, Jinsha Community,
Kengzi Street, Pingshan District, Shenzhen City

Spec Sheet

Electrical Characteristics	WP51100	WP51200	WP51280
Nominal Voltage	51.2V	51.2V	51.2V
Nominal Capacity (at 0.5C, 25 degC)	102Ah	208Ah	280Ah
Min. Capacity (at 0.5C, 25 degC)	100Ah	200Ah	280Ah
Expected Cycle Life	80% capacity remained at 100% DOD after 6000 cycles		
Operation Conditions			
Charge cut-off current	5A	10A	14A
Recommend Charge Current	≤34A	≤60A	≤140A
Continuous Discharge	≤50A	≤105A	≤140A
Peak Instant Discharge Current(1 Seconds)-settable	100A	150A	200A
Charge Method	CC-CV		
Max. Charge Voltage	58.4V		
Discharge Cut-off Voltage	40V		
Charge Temperature	0~55°C		
Discharge Temperature	-20~55°C		
Storage Temperature	-20 - 45 C		
Self Discharge (Stored at 50% SOC)	≤3%/month		
Mechanical Characteristics			
Dimension	548*410*550mm	558*196*738mm	435*255*850mm
Weight	99.2 Pounds (45Kg)	189.6 Pounds (86Kg)	275.6 Pounds (125Kg)
Function of BMS			
Item	Content		Criterion
Cell Over Charge Protection	Over charge protection voltage		3750mV
	Over charge detection delay time		1s
	Over charge release voltage		3500mV
	Maximum charge voltage		3.75±0.05V
	Maximum charge current		≤60A
Cell Over Discharge Protection	Over discharge protection voltage		2750mV
	Over discharge detection delay time		1s
	Over discharge release voltage		3000mV
Over current protection	Maximum continuous current		105A
	Over current detection current		110A (settable)
	Over current detection delay time		1000ms
	Over current release condition		Cut load

Active Balance Current	/
Mechanical Breaker	125A
Communication Compatible	CAN, RS485, RS232
Energy Expansion	Max. 30 units in parallel
Active Balancer	5A



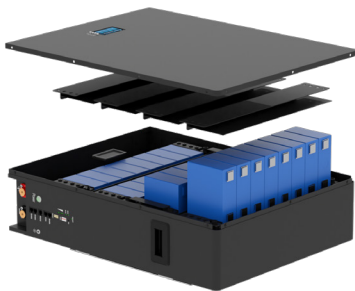
WP51100



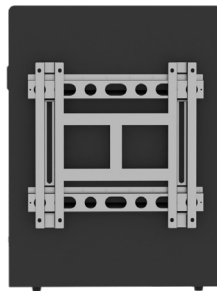
WP51200



WP51280



(Blown up, Internal View)



WP51100/WP51200
Mounting Bracket



WP51100/WP51200
Touch screen



WP51280
Touch screen

Color Options

