

POWER-XTRA

Stock Code : 900.600.502.007

Model: Power-Xtra LiFePO4 PCM/BMS 25.6V (8 CELL) 30A_PX15S60-D48 (8S)

No.	Test item		Criterion
1	Communication Interface		SMBUS
2	Capacity	Designing battery capacity (PCM)	20300mAh
		Max capacity (Battery pack)	32000mAh
		Min capacity (Battery pack)	800mAh
		External capacity Indication	
		Gas gauge algorithm	Impedance Track
3	Voltage	Charging voltage	DC: 28.8V CC/CV (3.6V/1cell)
		Balance voltage for single cell	3.6V±0.03V
4	Current	Balance current for single cell	72mA±5mA
		Normal operating-mode current : Gas Gauge in NORMAL mode, ILOAD > Sleep Current	160 uA
		SLEEP operating-mode current : Gas Gauge in SLEEP mode, ILOAD < Sleep Current	80 uA
		FULL SLEEP operating-mode current : Gas Gauge in FULL SLEEP mode, ILOAD < Sleep Current	25 uA
		Maximal continuous charging current	30A
		Maximal continuous discharging current	30A
5	Over charge Protection	Over charge detection voltage	3.9±0.025V
		Over charge detection delay time	0.5S—2S
		Over charge release voltage	3.6±0.05V
6	Over discharge protection	Over discharge detection voltage	2.2±0.08V
		Over discharge detection delay time	10—1000mS
		Over discharge release voltage	2.8±0.1V
7	Over current protection	Over current detection voltage	0.2±0.015V
		Over current detection current	100±30A
		Detection delay time	5ms—60ms
		Release condition	Cut load
8	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200us-10ms
		Release condition	Cut load
9	Resistance	Protection circuitry	≤50mΩ
10	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C
11	Dimensions	Length	160mm
		Width	63mm
		Thickness	12mm

(Test at normal temperature 25±2°C and relative humidity≤90%)

