

# POWER-XTRA

**Model:** Power-Xtra Li-ion/Li-Po PCM 55.5V (15 Cell) 80 A\_ PCX-24S60A-035C(15S) **Stock Code :** 900.600.501.156

| No. | Test Item                 |                                                  | Criterion              |
|-----|---------------------------|--------------------------------------------------|------------------------|
| 1   | Voltage                   | Charging voltage                                 | DC: 63V CC/CV          |
|     |                           | Balance voltage for single cell                  | 4.20±0.025V            |
| 2   | Current                   | Balance current for single cell                  | 84±10mA                |
|     |                           | Current consumption                              | ≤20μA                  |
|     |                           | Maximal continuous charging current              | 20A                    |
|     |                           | Maximal continuous Discharging current           | 80A                    |
|     |                           | Over charge detection voltage for single cell    | 4.25±0.025V            |
| 3   | Over charge Protection    | Over charge detection delay time                 | 0.5S—1.5S              |
|     |                           | Over charge release voltage for single cell      | 4.05±0.05V             |
|     |                           | Over discharge detection voltage for single cell | 2.80±0.062V            |
| 4   | Over discharge protection | Over discharge detection delay time              | 10mS—150mS             |
|     |                           | Over discharge release voltage for single cell   | 3.00±0.062V            |
|     |                           | Over current detection voltage                   | 0.15±0.025V            |
| 5   | Over current protection   | Over current detection current                   | 230±30A                |
|     |                           | Detection delay time                             | 5ms—15ms               |
|     |                           | Release condition                                | Cut load               |
|     |                           | Detection condition                              | Exterior short circuit |
| 6   | Short protection          | Detection delay time                             | 200-500us              |
|     |                           | Release condition                                | Cut load               |
|     |                           | Protection circuitry (MOSFET)                    | ≤20mΩ                  |
| 7   | Resistance                | Operating Temperature Range                      | -40 ~ +85°C            |
| 8   | Temperature               | Storage Temperature Range                        | -40 ~ +125°C           |
|     |                           | Temperature protection                           | 75°C                   |

**B+=C+=P+=Charger+/Load+**

**P-=Load-, C-=Charger-      Size: L120\*W80\*T25mm**

