

Universal EPL10XXsw series li-ion/polymer battery pack charger

Feature

- ◆Fully auto 2 stages CC then CV charging process
- ◆universal for any li-ion/polymer battery pack 3.7V~14.8V (1~4cells)
Such as 18650,14500,26650 etc,li-ion batteries pack
- ◆With Bi-color LED indiactor,Red:charging Green:floating/finished
- ◆Constant charging current for faster charging;
- ◆Switch-power supply topology,Stabilized output;low ripple.
- ◆Safety protecitons mode for battery polarity reversed,OCP
OVP,and output connectors shorted
- ◆CE,ROHS,UL approval(EN60335-2-29 and UL1310)
- ◆100V~240V AC input for worldwide power support



ProductsSpecification

| ITEM | UNIT | SPECIFICATION | | | | |
|--------------------|-------------------------------|---------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| <i>INPUT</i> | | | | | | |
| 1 | Rating Input Voltage | V ac | 100~240Vac 50/60Hz | | | |
| <i>OUTPUT</i> | | | | | | |
| 2 | Item Model | | EPL1004 | EPL1008 | EPL1012 | EPL1016 |
| 3 | Rating output voltage | V dc | 4.2 | 8.4 | 12.6V | 16.8V |
| 4 | Output voltage range | V dc | 3 ~ 4.25 | 6-8.5 | 9~12.6 | 12~16.8V |
| 5 | Charging current | A | 1.7A± 0.1A | 1.5A± 0.1A | 1.2A | 0.6A |
| 6 | Suit with Battery type | | 3.7V 500~6400mAh li-ion battery | 7.4V 500-6400mAh li-ion battery | 11.1V 500-4400mAh li-ion battery | 14.8V 500-4400mAh li-ion battery |
| 7 | Charge End condition | | I < 0.1A or V>4.2V | I < 0.1A or V>8.4V | I < 0.1A or V>12.6V | I < 0.1A or V>16.8V |
| 8 | Charge Mode | | Auto 2 stages | Auto 2 stages | Auto 2 stages | Auto 2 stages |
| 9 | LED indicator (Bi-color) | | Red: charging Green: finished/idle | Red: charging Green: finished/idl | Red: charging Green: finished/idle | Red: charging Green: finished/idl |
| 10 | Output Shorted protect | - | YES | YES | YES | YES |
| 11 | Output Reversed protect | | YES | YES | YES | YES |
| 12 | Max. output power | W | 10 | 10 | 10 | 10 |
| 13 | Efficiency | % | >75% | | | |
| <i>Environment</i> | | | | | | |
| 14 | Operate temperature | °C | -10 ~ +40 | | | |
| 15 | Operate humidity | %RH | < +90 | | | |
| 16 | Storage temperature | °C | -40 ~ +70 | | | |
| 17 | Storage humidity | %RH | 0 ~ +95 | | | |
| 18 | Cooling | - | Natural convection | | | |
| 19 | Impact | | 1 meter drop test >= 3 times | | | |
| <i>Mechanical</i> | | | | | | |
| 20 | Weight | g | 150(only body) | | | |
| 21 | Size | mm | 80X52X30 | | | |
| 22 | Input/Output Cord & Terminals | - | Defined by user | | | |
| <i>Safety</i> | | | | | | |
| 23 | Max. temperature rise | °C | < 40 on casing | | | |
| 24 | Safety standards | - | EN60950 EN55022 EN6100 | | | |
| 25 | EMC standard | - | T.B.D. | | | |
| 26 | MTBF | hrs | 30000 | | | |
| 27 | ESD | kV | 8 | | | |
| 28 | Hi-Pot Insulation | V | i/p to o/p: 3000 (1 min.) | | | |

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