

**SHENZHEN ABT ELECTRONICS CO., LTD.**

Tel:86-755-89958277 Fax:86-755-89958274 Email:sales@SZABT.com Http://www.SZABT.com

| SPECIFICATION |                       | PREPARE | CHECK     | APPROVE      |
|---------------|-----------------------|---------|-----------|--------------|
| MODEL:        | USED IN:              |         |           |              |
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**3PX0-L7030 25.9V ( 7Serial ) Li-Ion Battery pack charger**

|                    | ITEM                    | UNIT | SPECIFICATION                    | REMARK                                |
|--------------------|-------------------------|------|----------------------------------|---------------------------------------|
| <b>INPUT</b>       |                         |      |                                  |                                       |
| 01                 | Rating Input Voltage    | V ac | 100~240Vac 50/60Hz               |                                       |
| 02                 | Input voltage range     | V ac | 90~264Vac                        |                                       |
| 03                 | Rating Input Current    | A    | 1.1Arms                          | INPUT:220V OUTPUT:Full load           |
| 04                 | Max. input power        | W    | 70                               |                                       |
| <b>OUTPUT</b>      |                         |      |                                  |                                       |
| 05                 | Rating output voltage   | V dc | 28V                              |                                       |
| 06                 | Output voltage range    | V dc | 20VDC ~ 29.5VDC                  |                                       |
| 07                 | Suit with Battery type  |      | 25.9V ( 7Serial ) 4~12Ah Li-Ion  |                                       |
| 08                 | Charging current        | A    | 1.95± 0.15@28V                   |                                       |
| 09                 | Charging voltage        | V    | 29.3V +-0.2V                     |                                       |
| 10                 | Cut-off current         | A    | 0.15~0.2A                        |                                       |
| 11                 | Typical charging time   | hour | 7-8 Hours                        | For 8000mAH                           |
| 12                 | Max. output power       | W    | 60W                              |                                       |
| 13                 | Hold-on time            | ms   | NC                               | Input: 220Vac Output: Full load       |
| 14                 | Ripple current          | mA   | 100                              | Input: 220Vac Output: Full load       |
| 15                 | Charge finish condition |      | V>29V + I<0.2A                   |                                       |
| 16                 | LED color               |      | Red: charging Green: finish/idle |                                       |
| 17                 | Output protect          | -    | OCP & OVP                        |                                       |
| 18                 | Efficiency              | %    | 80%                              | At max. load                          |
| <b>Environment</b> |                         |      |                                  |                                       |
| 19                 | Operate temperature     | °C   | -10 ~ +40                        | Full load & natural convection.       |
| 20                 | Operate humidity        | %RH  | < +90                            | Relative humidity, non-condensing.    |
| 21                 | Storage temperature     | °C   | -40 ~ +70                        |                                       |
| 22                 | Storage humidity        | %RH  | 0 ~ +95                          | Relative humidity, non-condensing.    |
| 23                 | Cooling                 | -    | Natural convection               |                                       |
| 24                 | Temperature factor      | %    | --                               |                                       |
| 25                 | Vibration resistance    |      | 5MM/50HZ/600S                    | Non-operating condition.              |
| 26                 | Impact resistance       |      | 1 meter drop test >= 3 times     | Non-operating condition.              |
| <b>Mechanical</b>  |                         |      |                                  |                                       |
| 27                 | Weight                  | g    | 550                              |                                       |
| 28                 | Size                    | mm   | 129X91X68                        | Casing only                           |
| 29                 | Connectors              | -    | Defined when order               |                                       |
| <b>Safety</b>      |                         |      |                                  |                                       |
| 30                 | Max. temperature rise   | °C   | < 40 on casing                   | At any line and Max. Load             |
| 31                 | Safety standards        | -    | EN60335-2-29                     |                                       |
| 32                 | EMC standard            | -    | EN55014                          |                                       |
| 33                 | MTBF                    | hrs  | 30000                            |                                       |
| 34                 | Limited power source    | VA   | -                                |                                       |
| 35                 | ESD                     | kV   | 8.0                              |                                       |
| 36                 | Hi-Pot Insulation       | V    | i/p to o/p: 3000 (1 min.)        | For final unit, cut-off current =10mA |