

LITHIUM ION POLYMER BATTERIES – DATA SHEET

The following data refers to the lithium polymer packs stated below and not similar products.

CAPACITY, WEIGHT, SIZE & DISCHARGE CURRENT

| BATTERY PACK: | BP2541 | BP2544 | BP2545 | BP2546 | BP2548 |
|----------------------------------|---------------|---------------|---------------|----------------|----------------|
| Capacity | 4Ah +/-5% | 8Ah +/-5% | 10Ah +/-5% | 14Ah +/-5% | 22Ah +/-5% |
| Dimensions (mm) | 115 x 76 x 32 | 153 x 80 x 38 | 153 x 80 x 48 | 161 x 115 x 56 | 161 x 115 x 56 |
| Weight (grams) | 360 | 600 | 735 | 950 | 1250 |
| Max continuous discharge current | 4Ah | 8Ah | 10Ah | 10Ah | 10Ah |

OPERATING PARAMETERS

| | |
|---------------------------------|---------------|
| Maximum Peak Current | 20A for 10mS |
| Nominal Voltage | 12V |
| Discharge Cut-off Voltage | 9V |
| Charging Voltage | 12.6V |
| Temperature Range (Charging) | 0°C to 45°C |
| Temperature Range (Discharging) | -20°C to 60°C |

DURABILITY

Cycle Life >300 Cycles

This is based on charging at a standard rate with a discharge from full capacity to 9V at 5A. Rest time of 30 minutes between charge and discharge. Cycle life is classed as when discharge capacity is at 70% of original. Note that the battery still has a useful life after this.

Self-Discharge <0.5% per day

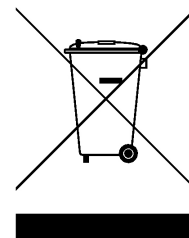
We recommend a full charge at least every six months.

PROTECTION

The battery pack is protected against over charge and discharge, there is also short circuit protection.

GUARANTEE

The battery pack and charger are guaranteed against manufacturing defect for 12 months from the date of purchase.



For pricing or any further information, please contact Omni Instruments Ltd.