



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.