



## 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
<b>Capacity</b>	4Ah +/-5%	8Ah +/-5%	10Ah +/-5%	14Ah +/-5%	22Ah +/-5%
<b>Dimensions (mm)</b>	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
<b>Weight (grams)</b>	360	600	735	950	1250
<b>Max continuous discharge current</b>	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
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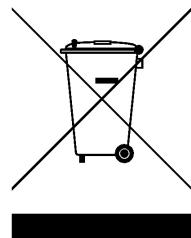
This is based on charging at a standard rate with a discharge from full capacity to 9V at 5A. Rest time of 30 minutes between charge and discharge. Cycle life is classed as when discharge capacity is at 70% of original. Note that the battery still has a useful life after this.

Self-Discharge	<0.5% per day
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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.