



Technical Specifications

Rose Batteries Standard Lithium Ion Battery 7.4V, 2500mAh

Part Number	LI-2S1P-2550
Description	7.4V 2500mAh (min capacity) lithium ion battery with a safety unit.
Cell Used	Panasonic UR18650ZY or equivalent
Operating Temperature	Charge temperature range: 0° to +40° C Discharge temperature range: -20° to +60° C Storage temperature range: -20° to +60° C
Operating Humidity	45% - 85% under all conditions
Voltage	Typical open circuit voltage on shipment: 7.4V Minimum voltage on discharge: 6.0 V Maximum voltage on charge: 8.4 V
Current	Maximum charge current: 1750mA Maximum discharge current: 2.5A
Safety Unit	Nominal over-voltage cutoff: 4.325V \pm 0.05 V per cell (8.65V +/- 0.1V per pack) Nominal under-voltage cutoff: 2.400V \pm 0.2 V per cell (4.4V +/- 0.4V per pack) Nominal over-current cutoff: 3A
Secondary Protect	Resettable Thermostat 60° C
Date Code Labeling	Battery packs are labeled with the date of assembly – YYWW format
Storage	Batteries may be stored under the specified storage temperature range for a maximum of six months from the date of pack assembly.
Cable length	2.50" +/- .25" long
Connector	Molex 50-37-5023
Pins	Molex 08-70-1040
Weight	Nominal Weight: 110 g
Dimensions	Maximum Length: 2.66" Maximum Width: 1.45" Maximum Height: 0.80"
Warranty	1 year from date of assembly, as detailed in Rose Warranty.
Regulatory	Cells and packs passed UN 38.3; cells certified to UL 1642 and IEC 62133

Photograph

