



## Technical Specifications

### Rose Batteries Standard Lithium Ion Battery 7.4V, 2500mAh

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

#### Photograph

