



## Technical Specifications

### Rose Batteries Standard Lithium Ion Battery 3.7V, 5000mAh

<b>Part Number</b>	<b>LI-1S2P-5000</b>
<b>Description</b>	3.7V 5000mAh (min capacity) lithium ion battery with a safety unit.
<b>Cell Used</b>	Panasonic UR18650ZY
<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: 3.7 V Minimum voltage on discharge: 3.0 V Maximum voltage on charge: 4.2 V
<b>Current</b>	Maximum charge current: 3A Maximum discharge current: 3A
<b>Safety Unit</b>	Nominal over-voltage cutoff: 4.325V ± 0.025 V Nominal under-voltage cutoff: 2.500V ± 0.080 V Nominal over-current cutoff: 3A
<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>	2.25" +/- .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

