



Technical Specifications

Rose Batteries Standard Lithium Ion Battery 3.7V, 1900mAh

Part Number	LIP-1S1P-1950
Description	3.7V 1900mAh (min capacity) lithium ion battery with a safety unit.
Cell Used	E-One Moli ICP103450CA 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: 3.7 V Minimum voltage on discharge: 3.0 V Maximum voltage on charge: 4.2 V
Current	Maximum charge current: 1400mA Maximum discharge current: 2.5A
Safety Unit	Nominal over-voltage cutoff: 4.325V/cell \pm 0.025 V Nominal under-voltage cutoff: 2.500V/cell \pm 0.080 V Nominal over-current cutoff: 3A
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	2.5" long.
Connector	Molex 50-37-5023
Pins	Molex 08-70-1040
Weight	Nominal Weight: 52 g
Dimensions	Maximum Length: 2.3" Maximum Width: 1.5" Maximum Height: 0.46"
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	