

12S1P - 14.4V 1500 Mah SC - Ni-Cd Battery Pack - RCT144

Stock Code 800.600.084.002

Type Nickel-Cadmium / Ni-Cd

Model SC / 1.500mAh

TECHNICAL INFORMATIONS

ltem	Specifications	Conditions	
Nominal Voltage	14.4V		
Configuration	12S1P		
Nominal Capacity	1.580 mAh	Standard Charge/Discharge	
Minimum Capacity	1.500 mAh		
Standard Charge	150 mA(0.1C) × 16 hrs	Ambient temperature of 20±5°C, Relative Humidity: 65±20%	
Rapid Charge	750 mA (0.2C) × 2.6 hrs / approx.	-delta V controlled: 15mV/cell cut-off dT/dt controlled: 1°C per min.	
Trickle Charge	0.03C-0.5C	Ta=0~45°C	
Standard Discharge	300mA (0.2C)	to 1.0V/cell	
Fast Discharge	750 mA(0.5C)	Ta= -20°C ~ 50°C	
Maximum Continuous Discharge Current	4.500 mA	3C	
Discharge Cut-off Voltage	12.6 V		
Storage Temperature	-20 ℃~35℃	Discharged state	
Weight	505 gr. / approx.		
Open Circuit Voltage(OCV)	≥15.00V	The open circuit voltage is measured within1-4 hours after standard charge.	
Internal Impedance	≤410mΩ	The initial internal resistance is measured at 1KHz within 1-4 hours after standard charge.	
Overcharge	No leakage nor explosion	The overcharge test is measured with a discharge current of 0.2C and a discharge end-off voltage of 1.0V/cell within 1-4 hours after charging for 28 days at a current of 0.1C. Check cell appearance after overcharge	
Charge Retention	≥300mAh	After standard charge and storage time of 28 days at an ambient temperature of 20°C±2°C, the capacity is measured with a discharging current of 0.2C and a discharge end-off voltage of 12.6V.	
Cycles Test	≥500 Cycle	IEC61951-2:2003	

REV001_24.04.2021 www.power-xtra.com

Ni-Cd

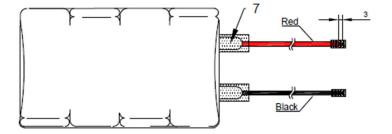
Power-Xtra

12S1P - 14.4V 1500 Mah SC - Ni-Cd Battery Pack - RCT144

TECHNICAL DRAWINGS

ltem	Specifications	Drawings
Thickness	46.0 mm	
Width	68.0 mm	
Length	92.0 mm	
Connector Model	-	
Cable Length	300±5 mm	
Cable Thickness	UL1007 AWG18#	
IMAGE		







Ni-Cd