

Specification of Battery Pack

Customer Name	For R/C Toy Cars	Customer Drawing #	/
Project #	K061105	Pack Drawing #	SK5107-01
Chemistry	Ni-MH	Pack Specification #	SK061105
Quantity of Cells	7	Connector Type	/
Cell Model	SP300SCMH	Pack Model #	SP300SCMH*7

Description of Specification							
Nominal Voltage (V)	8.4V						
Nominal Capacity (mAh)	3000mAh						
Weight	465g						
Capacity		Charge	Discharge	Nominal		Typical	
	Low Rate	0.1C	0.2C	2850	mAh	2930	mAh
	High Rate	0.1C	1C	2280	mAh	2560	mAh
Charging		Standard		Quick*		Fast*	
	Minimum Charge	285	mA	285	mA	285	mA
	Time Required (hrs)	16	Hours	16	Hours	16	Hours
	Maximum Charge	570	mA	1425	mA	2850	mA
	Time Required (hrs)	8	Hours	150	min	72	min (or - Δ V)
	Minimum Overcharge	285	mA		for	24	Hours
Maximum Overcharge	2850	mA	for	90	min	(with cut-off control)	
Maximum Discharge Current	Continuous	14	A				
	Momentary (1 second)	29	A				
Temperature		Storage for < 1 Month (°C)			Storage for < 1 Year (°C)		
	Minimum	-20			-10		
	Maximum	45			35		
		Discharge (°C)			Charge (°C)		
	Minimum	-10			0		
	Maximum	50			40		
Service Life	Standard (IEC61436)	500		cycles (for reference only)			
Designations	IEC - 61436/FIDS						
Appearance and Dimensions(mm)	Refer to drawing #	Height	Width	Length			
		MAX48.0	MAX25.0	MAX160.0			
Components and Parts	Connector	/					
	Polyswitch	/					
	Thermostat	/					

* Quick and Fast charge requires charge control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

Remark: The information contained herein is presented only as a guide for the applications of our products.

Data in this specification are subjected to change without notice and become contractual only after written confirmation by STI(HONG KONG) LTD.