

Specification of Battery Pack

Customer Name	For R/C Toy Cars	Customer Drawing #	/
Project #	K061102	Pack Drawing #	SK2110-01
Chemistry	Ni-MH	Pack Specification #	SK061102
Quantity of Cells	10	Connector Type	/
Cell Model	SP160AAMH	Pack Model #	SP160AAMH*10

Description of Specification							
Nominal Voltage (V)	12V						
Nominal Capacity (mAh)	1600mAh						
Weight	250g						
Capacity		Charge	Discharge	Nominal		Typical	
	Low Rate	0.1C	0.2C	1600	mAh	1640	mAh
	High Rate	0.1C	1C	1280	mAh	1440	mAh
Charging		Standard		Quick*		Fast*	
	Minimum Charge	160	mA	160	mA	160	mA
	Time Required (hrs)	16	Hours	16	Hours	16	Hours
	Maximum Charge	320	mA	800	mA	1600	mA
	Time Required (hrs)	8	Hours	150	min	72	min (or - Δ V)
	Minimum Overcharge	160	mA		for	24	Hours
Maximum Overcharge	1600	mA	for	90	min	(with cut-off control)	
Maximum Discharge Current	Continuous	8	A				
	Momentary (1 second)	16	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			
		MAX100	MAX15.0	MAX74.0			
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.