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SUPREME POWER
Battery Specialist

Specification for Nickel Metal Hydride Battery Power Pack

Model: *SP24V9AH-M01*



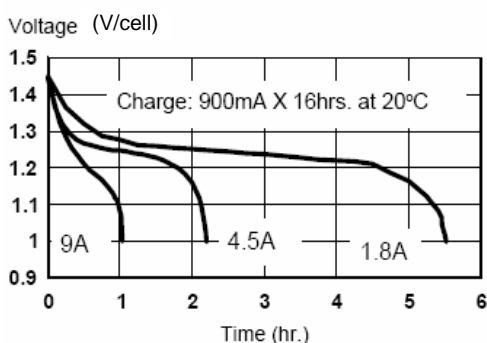
Chemical System:	Nickel Metal Hydride	Ni-MH				
Type of Battery		D size				
Nominal Voltage		24 V				
Nominal Capacity	Low Rate - 0.2C	9 Ah				
Weight		4.2 Kg				
Dimension	Length (mm)	100	Width (mm)	100	Height (mm)	350
	Connector Type	Terminal Heads	Refer to drawing			
Capacity		Charge	Discharge	Minimum	Typical	
	Low Rate - 0.1C	0.1C	0.2C	9 Ah	10 Ah	
	High Rate - 1C	0.1C	1C	8.1 Ah	8.6 Ah	
Charging		Standard	Quick *	Fast *		
	Minimum Charge	1 A (0.1C)	1 A	1 A		
	Time Required (hrs)	16 hrs	16 hrs	16 hrs		
	Maximum Charge	2 A	5 A	9 A		
	Time Required (hrs)	< 8 hrs	< 2.5 hrs	< 72 min (or -ΔV)		
	Maximum Overcharge	0.9 A (0.1C) 18 A with cut-off control				
Maximum Discharge Current & Power		Continuous		Momentary (1 second)		
		27 A	648 Watts	90 A	2160 Watts	
Temperature		Storage for < 1 Month (°C)		Storage for < 1 Year (°C)		
	Minimum	-20		-10		
	Maximum	40		30		
		Discharge (°C)		Charge (°C)		
	Minimum	-20		0		
	Maximum	50		45		
Service Life	Standard (IEC61436)	upto 500 cycles (for reference)				
Designations	IEC - 61436/FIDS					

* Quick & Fast charge require cut-off control circuitry to terminate charge and switch to trickle charge after full charge

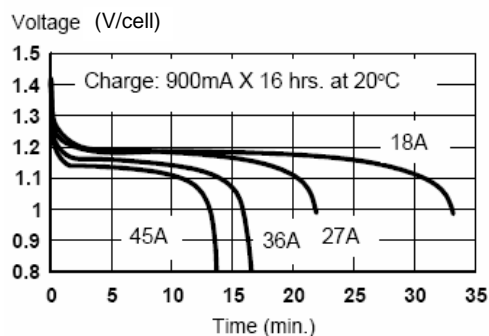
Remark: The information contained herein is presented only as a guide for the applications of our products

Data in this specification are subjected to change without notice and become contractual only after written confirmation by STI (Hong Kong) Limited

Low Drain Discharge



High Drain Discharge



Connector Drawing

