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SUPREME POWER

Battery Specialist

Specification for Nickel Metal Hydride Battery Power Pack

Model: *SP24V9AH-M02*



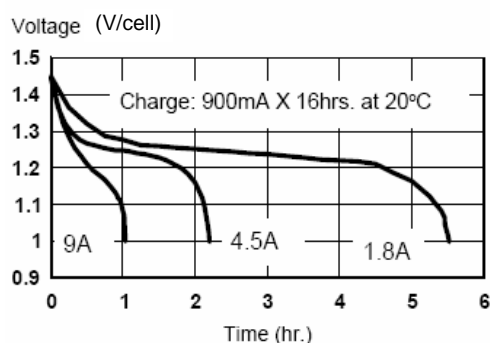
Chemical System:	Nickel Metal Hydride	Ni-MH			
Type of Battery		D size			
Nominal Voltage		24 V			
Nominal Capacity	Low Rate - 0.2C	9 Ah			
Weight		4.2 Kg			
Dimension	Length (mm)	148		Width (mm)	42
	Height (mm)	382			
Connector Type	Terminal Heads	Refer to drawing			
Capacity		Charge	Discharge	Minimum	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)			
Maximum Discharge Current & Power		Continuous		Momentary (1 second)	
		25 A	90 A	2160 Watts	
		600 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

