

	<b>PRODUCT SPECIFICATION</b>	Rev.	1.0
		Date	2012.04.02
<b>NM36S (Rechargeable Ni-MH Battery Pack 1P10S, 3800mAh)</b>		Page	Sheet 1 of 3

## SPECIFICATION OF PRODUCT

**Rechargeable Li-ion Battery Pack**  
**Model : NM36S (12.0V, 3800mAh)**

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## 1. Descriptions

1.1 Description Nickel metal hydride rechargeable battery pack

1.2 Battery Cell Configuration 1P-10S

## 2. Electrical specification(@25 °C)

Item	Specification	Remarks
2.1 Capacity	3800mAh	Nominal (by standard Charge and Discharge)
	3600mAh	Minimum
2.2 Voltage	12.0V	Nominal
2.3 Charging method	CC	Constant current
2.4 Charging voltage	18.0±0.05V	
2.5 Charging current	380mA	Standard
	1600mA	Maximum
2.6 Charging current cut-off	Peak Dv > 0.09V	Fast charge
	dT/dt>1 deg.C/min	Nominal charge
2.7 Discharging current	760mA	Standard
	3800mA	Maximum
2.8 Discharge cut-off voltage	10.0V	
2.9 Internal resistance	< 350mΩ	
2.10 Operating temperature	0 to 40°C	Standard charge(Dumb charger)
	15 to 40°C	Standard charge(Smart charger)
	-10 to 60°C	Standard discharge
2.11 Storage temperature	0 ~ 35°C	≤ 1 Year
	0 ~ 45°C	≤ 3 Months
	0 ~ 55°C	≤ 1 Month
2.12 Storage humidity	45 ~ 85 % RH	Not condensed
2.13 Smart Module Communication	SMBus	Type
	v1.0	Revision

## 3. Safety specification

Item	Remarks	Specification
3.1 Power dissipation	Operating	< 400uA
	Shut down	< 200uA
3.2 Other protection components	Over-current protection with PTC	> 7A at 20deg.C
		> 5A at 60 deg.C
	Thermal Protector operating	> 60±5 deg.C
	Thermal Protector release	> 40±5 deg.C
	Thermal fuse operation	> 93±5 deg.C

## 4. Physical specification

Item	Remarks	Specification
3.1 Dimension	L x W x H	149.0±0.5 x 89.0±0.5 x 19.5±0.5
3.2 Terminal (Output)		Power(+),Clock(C),Data(D),Thermistor(T),Power(-)
3.3 Weight		< 450g

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