

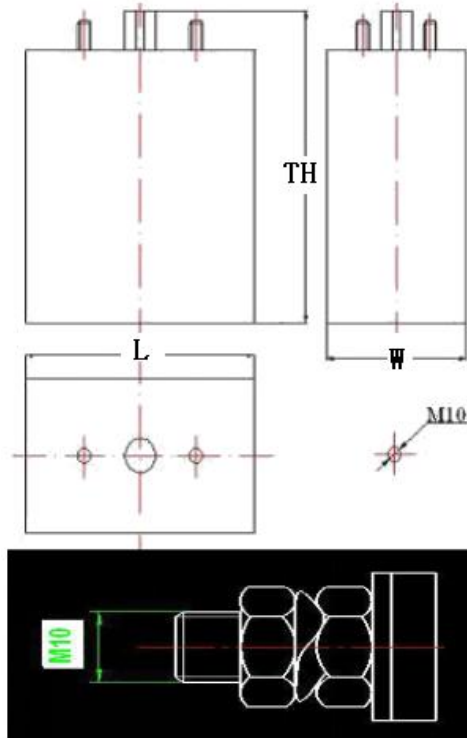


# WPS1.2-50 Ni-Cad (1.2V50AH)

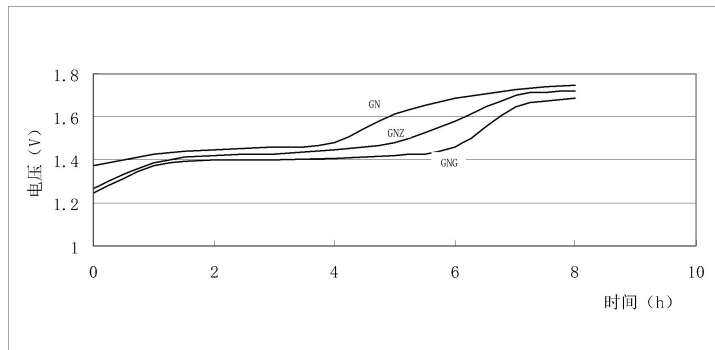
medium rate nickel cadmium battery which made of pocket plate is characterized by compact construction, low internal resistance, high reliability, high capacity, long service life and excellent low temperature performance. the battery is particular suitable for long discharge periods such as UPS, Electrical power system, Telecommunications system, Mass transits system, Photovoltaic, Energy storage battery for wind, solar and other renewable energy power systems, petrochemical industry, fire security system, etc

## Specification

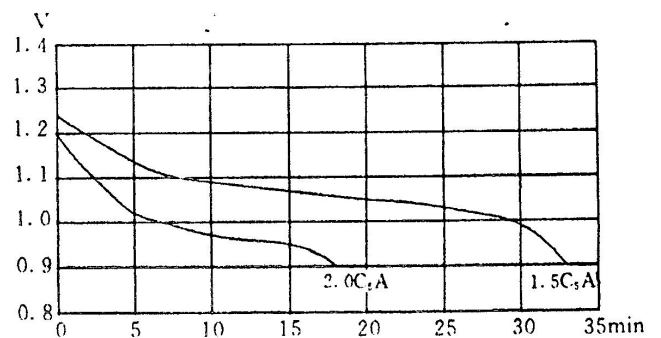
Nominal Voltage		1.2V
Capacity(5HR, 20°C)		50Ah
Dimension	Length	138±2mm
	Width	61±2mm
	Total Height	266±5mm
Approx. Weight		3.5 Kg
Internal resistance (Fully charged, 20°C)		---
Capacity affected by temperature (5HR)	20°C	≥100%
	-18°C	≥80%
Self-discharge(20°C)	3 month	<30%
Nominal operating temperature		20°C±5°C
Operating temperature range		-20°C~50°C
Float charging voltage(20°C)		1.40 ~ 1.45V
Maximum charging current(0.2C)		10A
Terminal material		Nickel- Clad Steel
Container		PP/white



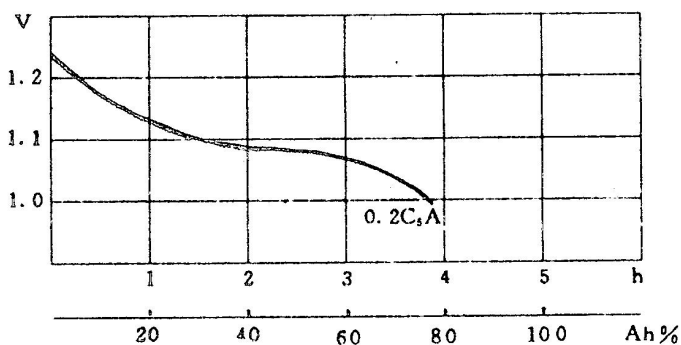
### Charging curves of 0.2C5A (20±5°C)



### Discharge curves of 20±5°C



### Low temperature(-18°C) discharge curve 0.2C5A



### Instantaneous discharge curves after 1h of various discharge rates, 1.45V/cell float charge

