

1、SCOPE

This specification governs the performance of the following Nickel-Cadmium Cylindrical cell and its stack-up battery。

Model: ESP5500D

Cell Size: Dcrew cut (32.1±0.1×59.0±0.5) (mm)

Dcusp (32.1±0.1×60.5±0.5) (mm)

2、DATA OF STACK UP BATTERIES

All data involves voltage and weight to stack-up battery are equal to the value of unit cell
time the number of unit cell which consisted in the stack-up batteries

Example : Stack-up batteries consisting three unit cells

Nominal voltage of unit cell=1.2V

Nominal voltage of stack-up batteries =1.2V×3=3.6V

3、RATINGS

Description	Unit	Specification	Conditions
Nominal Voltage	V/cell	1.2	Unit cell or stack-up batteries
Nominal Capacity	mAh	5200	Standard Charge/Discharge
Typical Capacity	mAh	5500	Standard Charge/Discharge
Standard Charge	mA	550 (0.1C)	T ₁ =0~45℃ (见Note 1)
	hour	14~16	
Fast Charge	mA	1500 (0.3C)	- ΔV=0~5mV/cell or Timer Cutoff=110%nominal capacity or Temp.Cutoff=55℃, T ₁ =10~45℃
	hour	4 approx (见Note 2)	
Trickle Charge	mA	(0.05C)~(0.1C)	T ₁ =0~45℃
Standard discharge	mA	1000 (0.2C)	T ₁ = -30~60℃ Humidity: Max85%
Discharge Cut-off Voltage	V/cell	1.0	
Storage Temperature	℃	-20~30	Discharged state、 Humidity、 Max85%
Typical Weight	Gram	126	unit cell