

## TYPE: H-F12000

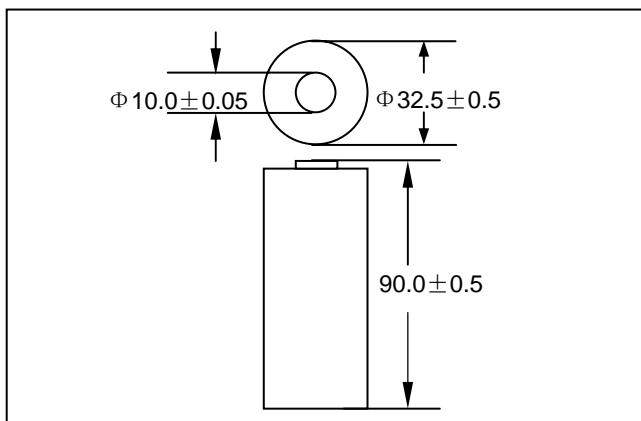
### Specifications

Nominal Dimension : (with sleeve)	$\Phi = 32.5 \pm 0.5\text{mm}$ $H = 90.0 \pm 0.5\text{mm}$
Applications :	Recommended discharge current 1200mA to 12000mA
Nominal Voltage :	1.2V
Nominal Capacity* :	12000mAh when discharge at 2400mA(0.2C) to 1.0V at 20°C
Standard Charge :	1200mA(0.1C) for 15 hrs at 20°C
Fast Charge :	12000mA (1C) with charge termination control Recommended control parameters - $\Delta V$ :5mV & $\Delta T/\Delta t$ :0.8~1°C/min Timer: 120 % nominal input
Service Life :	> 500 cycles
Continuous Overcharge :	1200mA maximum permissible current No conspicuous deformation and / or leakage
Weight** :	230g
Internal Resistance** :	Max 15m $\Omega$ at 1000Hz measured within 1 hour after standard charge
Max. Charging Voltage :	1.5V at 2400mA(0.2C) charging
Ambient Temperature : Range	Standard Charge : 0°C to 45°C Fast Charge : 10°C to 45°C Discharge : -20°C to 45°C Storage : -20°C to 45°C

**Note:**

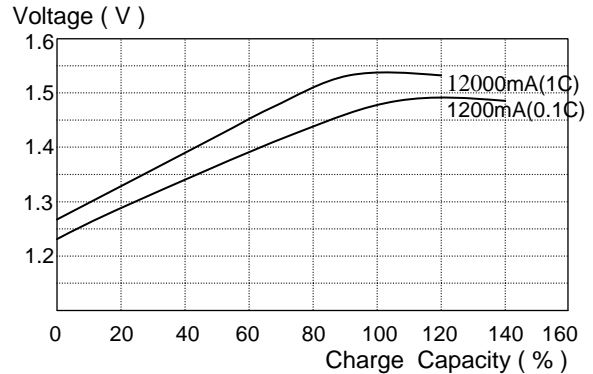
\*0.2C discharge capacity after charging at 0.1C for 15 hours.

\*\*Weight and internal impedance are for reference.

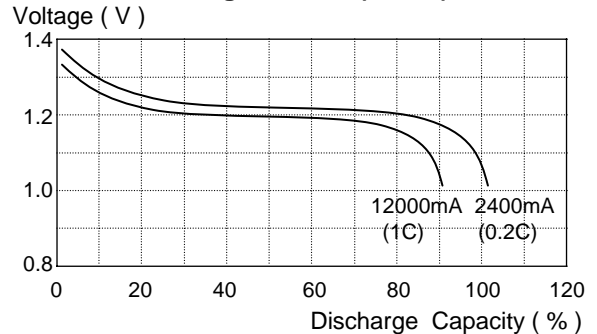


### Characteristics

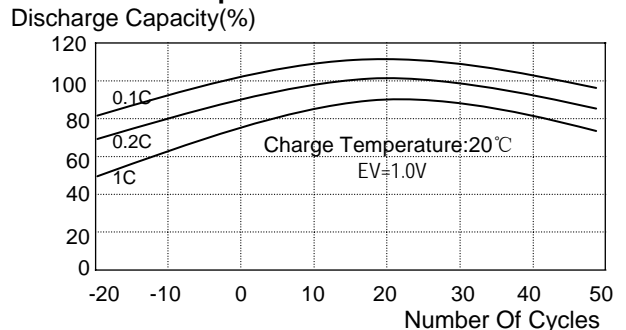
#### Charge Curves ( 20°C )



#### Discharge Curves ( 20°C )



#### Temperature Characteristic



**American Toppower**

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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.