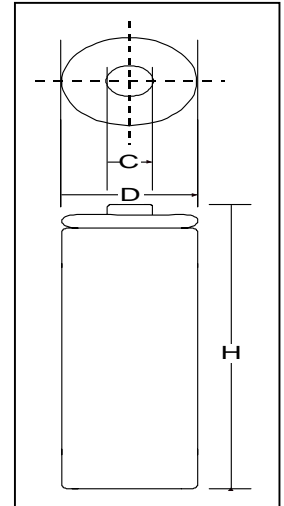


Model: H-F12000

★ Specifications

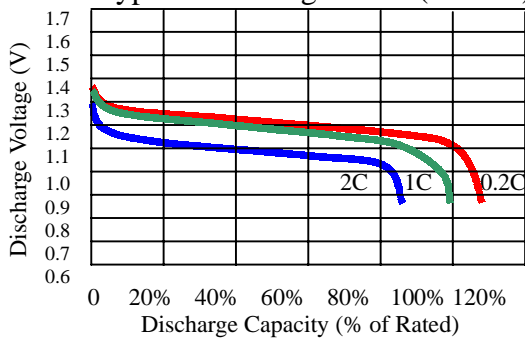
Nominal Voltage	1.2 V	Final Discharge Voltage	1.0 V
Dimension of Production (with tube)	D(Diameter)	33.0 ^{+0.0} _{-0.7} mm	
	C(Top)	8.0 ± 0.2 mm	
	H(Height)	90.5 ^{+0.0} _{-1.0} mm	
Capacity	Nominal	12000 mAh (minimum at 0.1C/0.2)	
	Typical	10800 mAh (minimum at 0.1C/1C)	
Charging	Standard	0.1C (1200 mA) for 14~16 hrs	
	High Rate	1C (12000 mA) for approx. 1.2 hrs	
Temperature Range for Operation (Humidity: Max 85%)	Standard Charge	0 ~ +45 °C	
	Rapid Charge	+10 ~ +45 °C	
	Discharge	-20 ~ +60 °C	
	Storage	-20 ~ +55 °C (less than 1 month) -20 ~ +35 °C (less than 1 year)	
Internal Impedance at 1000Hz	Approx. 10 mΩ at after charge		
Weight	270 g	Service Life	≥ 500 cycles

★ Construction

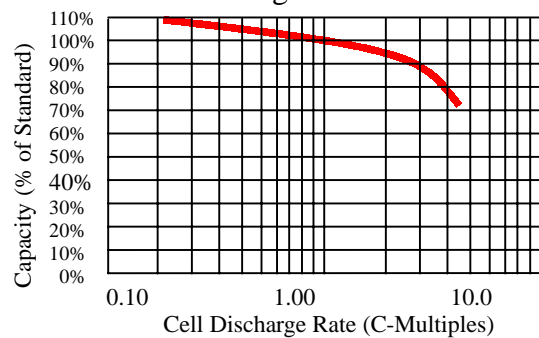


★ Typical Characteristics

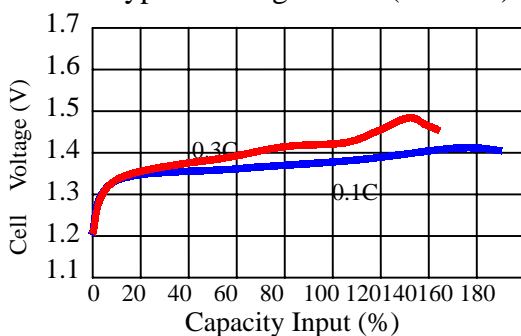
Typical Discharge Curve (@23°C)



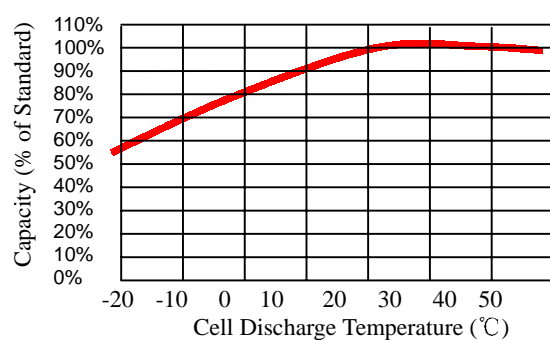
Typical Effect of Discharge Rate on Actual Capacity



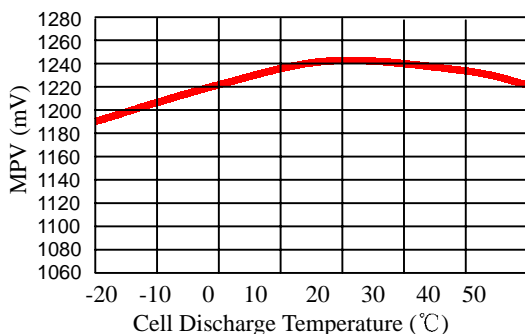
Typical Charge Curve (@ 23°C)



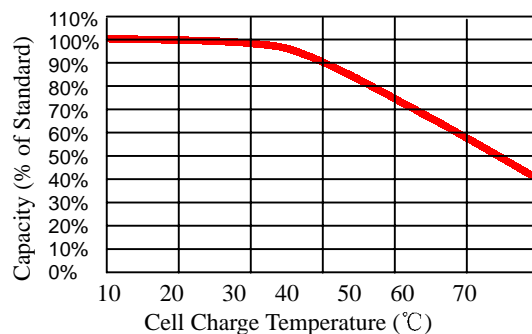
Typical Effect of Discharge Temperature on Actual Capacity



Typical Effect of Cell Discharge Temperature on Voltage-MPV



Typical Effect of Cell Charge Temperature on Actual Capacity



*Weight , Service Life and Internal Impedance are for reference.