



Battery Model: HFR-50AAT1200			
Nominal voltage (V)		1.2	
Capacity* (mAh)	Nominal	1200	
	Minimum	1100	
Charging**	Standard	55mA×48hours	
	Quick	220mA×7hours	
	Rapid	550mA×2.4hours ΔV=5mV	
	Trickle	33mA~55mA	
Temperature recommended (°C)	Standard charge	0~80	
	Quick charge	10~70	
	Rapid charge	10~60	
	Discharge	-20~80	
	Storage	-20~30	
Internal resistance		≤30mΩ	
End voltage of discharge		1.0V	
Charge (capacity) retention		≥60%	
Weight		Approx. 24g	
Dimensions With tube (mm)	D	Diameter	14.5 <sup>+0</sup> <sub>-0.7</sub>
	H	Height	49.0 <sup>+0</sup> <sub>-1.5</sub>
	a	Top diameter	8.0 <sup>+0.1</sup> <sub>-0.1</sub>
Drawing			

### DATASHEET

**Charging (0.05C×48hrs) curves at various temperature**

**Discharging (0.2C, 20°C) curves after charged at various temperature**

**Temperature (Charge performance)**

**Note:**

- \*: Discharge capacity when the battery unit is discharged at 220mA to the 1.0V end voltage after being charged at 110mA for 16 hours
- \*\* : Please discharge to the 1.0V end voltage with 220mA before charging the battery unit.