

Batteries come standard with a special tray

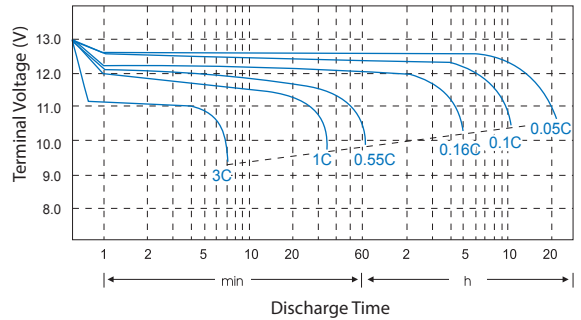
Specifications

Nominal Voltage	12V	
Rated Capacity (10 hour rate)	100Ah	
Dimensions	Total Height (with terminals)	220mm
	Height	215mm
	Length	329mm
	Width	172mm
Weight	29.2kg	

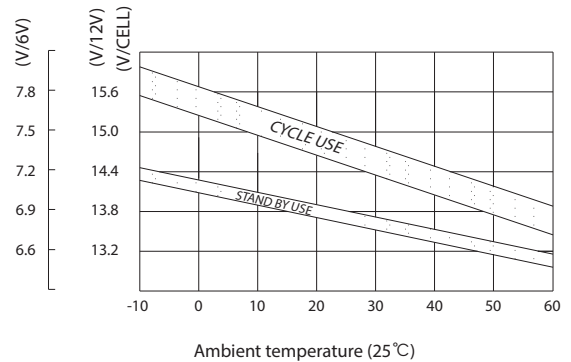
Characteristics

Capacity 25°C	10 hour rate (10.0A)	100 Ah
	5 hour rate (16.0A)	80 Ah
	1hour rate (60.0A)	60 Ah
	15Minute Rate (164A)	41 Ah
Internal Resistance	Full charged Battery 25°C	5 MΩ
	40°C	102%
Capacity affected by Temperature (20hour rate)	25°C	100%
	0°C	85%
	-15°C	65%
	Capacity after 3 month storage	91%
Self-Discharge 25°C	Capacity after 6 month storage	81%
	Capacity after 12 month storage	60%
	Max. Discharge Current 25°C	800A(5S)
Terminal	T2	
Charge (Constant Voltage)	Cycle	Initial Charging Current less than 30A
		Voltage 14.1V / 25°C Equalization temperature compensation coefficient: -24mV/°C
	Float	Voltage 13.5V / 25°C Compensation coefficient of floating charging temperature: -18mV/°C

Discharge Curves 77°F (25°C)



Relationship between charge voltage and temperature



Constant Current Discharge (AMPERES @25°C)

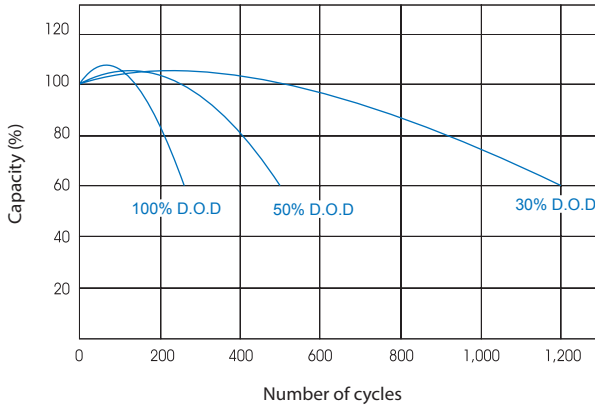
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	226	164	106	63.4	36.9	25.9	20.6	17.8	12.1	10.8	5.71
1.65	217	158	102	61.0	35.5	25.8	20.4	17.7	12.0	10.7	5.66
1.70	205	151	86.8	60.5	34.6	25.7	19.9	17.5	11.9	10.5	5.56
1.75	180	142	81.5	60.0	34.3	25.5	19.3	16.9	11.6	10.4	5.51
1.80	173	137	78.4	57.7	33.0	25.0	18.5	16.0	11.2	10.0	5.50
1.85	142	119	72.1	53.1	31.7	24.5	17.6	15.4	10.6	9.62	5.09

Constant Power Discharge (WATTS PER CELL@25°C)

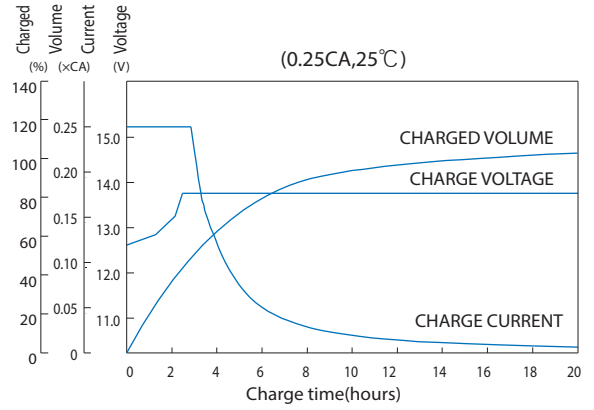
F.V/Time	10Min	15Min	30Min	60Min	2H	3H	4H	5H	8H	10H	20H
1.60	394	307	191	119	70.0	49.1	38.7	32.4	22.9	20.4	10.8
1.65	389	304	185	115	69.1	49.0	38.6	32.2	22.8	20.4	10.8
1.70	379	291	162	111	68.4	47.7	37.7	31.6	22.3	20.2	10.6
1.75	346	274	156	108	67.9	46.4	36.8	31.0	21.7	20.0	10.5
1.80	330	264	151	107	66.6	46.1	36.4	30.5	21.4	19.5	10.5
1.85	273	231	141	104	64.2	45.0	35.4	29.6	20.3	19.0	9.67

The operating environment temperature should not exceed 40°C. After prolonged storage, The battery's actual capacity would be less than the rated capacity. Full capacity will be obtained through several charge/discharge cycles.

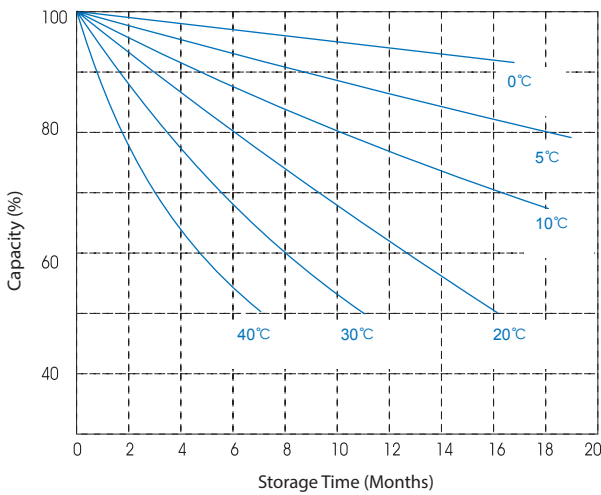
■ Cycle service life in relation to depth of discharge



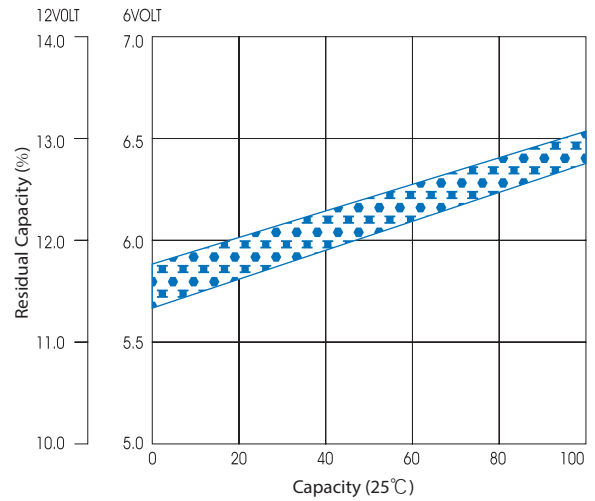
■ Constant voltage charge characteristic



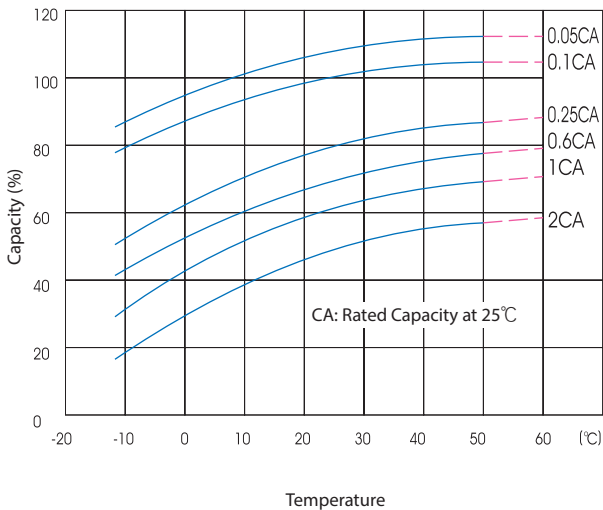
■ Self-Discharge Characteristics



■ Relationship of OCV and Residual Capacity % (25°C)



■ Temperature effects on capacity



■ Temperature Effects Float Life

