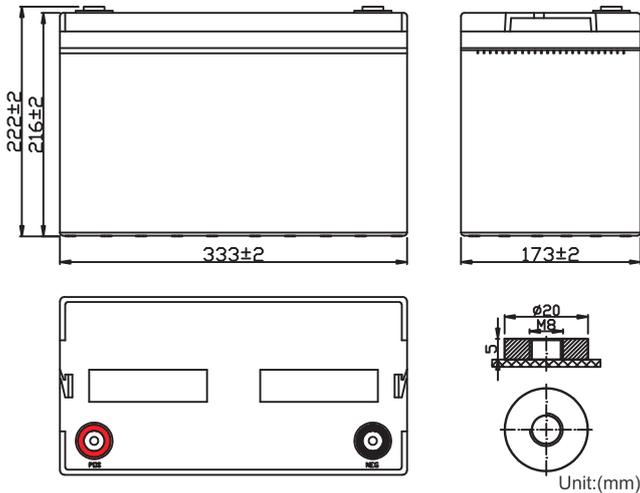


MODEL: OT100-12/A


Container Color
 Black C
 Grey 3 C

Parameter

Rated Voltage	12V	
Nominal Capacity(25°C)	100Ah(C ₁₀ , 10.8V)	
Dimension	Length	333±2mm(13.11 inch)
	Width	173±2mm(6.81 inch)
	Container Height	216±2mm(8.50 inch)
	Total Height	222±2mm(8.74 inch)
Weight±3%	31.20Kg(68.78 lbs)	
Terminal	T3/M8	
Container Material	ABS	
Rated Capacity(25°C)	93.00Ah	(5HR, 18.60A, 10.5V)
	80.10Ah	(3HR, 26.70A, 10.2V)
	64.60Ah	(1HR, 64.60A, 9.6V)
Full charged Internal Resistance(25°C)	Approx. 5.0mΩ	
Operating Temp. Range	Discharge	-20°C~50°C(-4°F~122°F)
	Charge	-20°C~40°C(-4°F~104°F)
	Storage	-20°C~40°C(-4°F~104°F)
Nominal Operating Temp. Range	25±3°C(77±5°F)	
Max. Charging Current(25°C)	30.0A	
Charge Voltage(25°C)	Cycle	14.5~14.9V
	Temp. Coefficient	-30mV/°C
	Float	13.6~13.8V
Self Discharge(25°C)	Temp. Coefficient	-18mV/°C
		≤3% per month
Design service life(25°C)	12 years	

Plane Chart:

Constant Current Discharge Characteristics (A, 25°C)

F.V./Time	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	220.4	180.5	156.2	108.2	64.6	38.7	27.3	22.1	19.4	12.7	10.6	5.62
10.02V	213.5	172.6	151.0	106.5	62.3	38.2	26.9	21.8	19.1	12.6	10.5	5.57
10.20V	209.4	168.3	147.2	104.2	60.8	37.9	26.7	21.6	18.9	12.5	10.4	5.55
10.50V	198.6	162.2	141.3	101.2	59.5	37.5	26.4	21.3	18.6	12.4	10.3	5.50
10.80V	185.6	157.8	135.5	99.0	58.4	37.1	26.1	20.9	18.3	12.3	10.2	5.43

Constant Current Discharge Characteristics (Watt, 25°C)

F.V./Time	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2358.7	1940.4	1722.6	1214.4	750.7	454.7	323.2	262.5	230.9	151.6	127.0	68.0
10.02V	2305.8	1872.7	1684.1	1203.5	723.9	448.9	318.5	259.0	227.3	150.4	125.8	67.4
10.20V	2272.2	1834.9	1650.1	1184.0	706.5	445.3	316.1	256.6	224.9	149.3	124.6	67.2
10.50V	2164.7	1784.2	1591.2	1152.0	691.4	440.6	312.6	253.0	221.3	148.1	123.4	66.6
10.80V	2041.6	1751.6	1527.9	1128.6	678.6	435.9	309.0	248.3	217.8	146.9	122.2	65.7

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

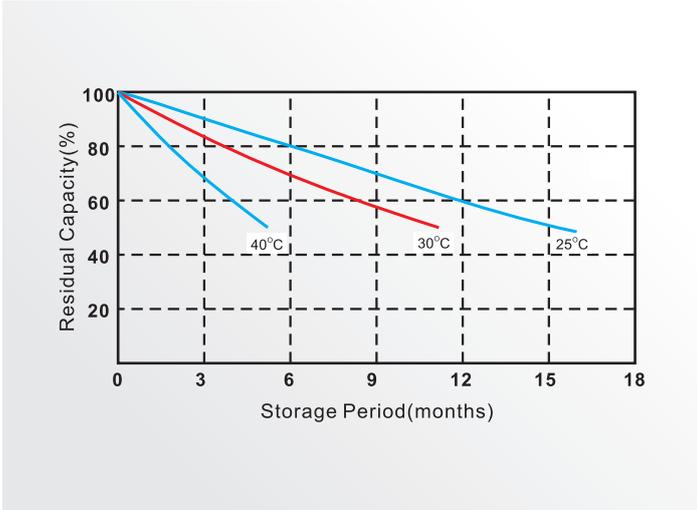
MODEL: OT100-12/A

Application scope

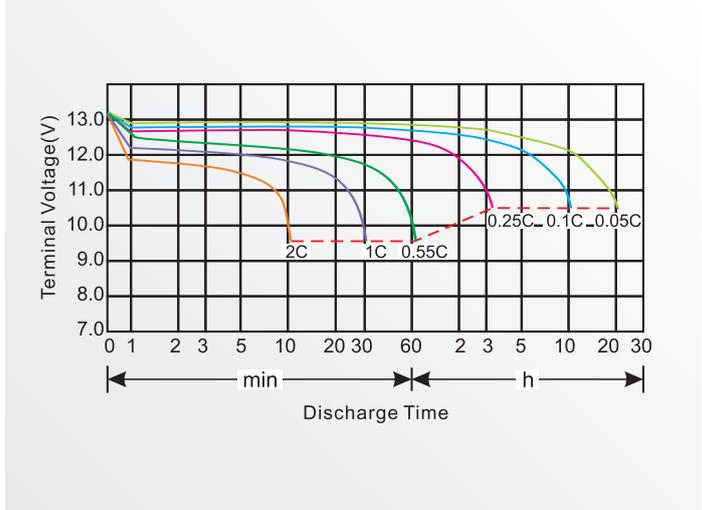
- Uninterruptable Power Supply(UPS)
- Industrial Process Control Facilities
- Data Network & Operation Centers
- Power supply system for electric tools
- Emergency Power Supply(EPS)
- Hospitals & Testing Laboratories
- Banks & Financial Markets
- Security alarm system



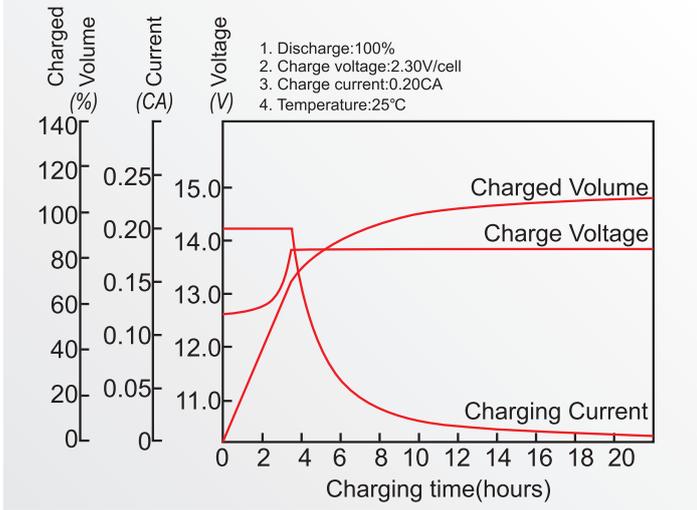
Residual Capacity



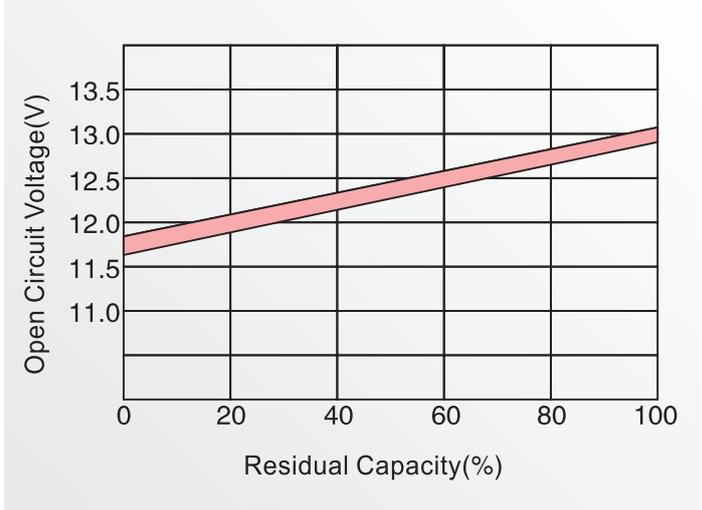
Discharge Current 25°C



Constant voltage charging characteristics



The relationship for OCV and Capacity 25°C



Capacity Factors With Different Temperature

-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

