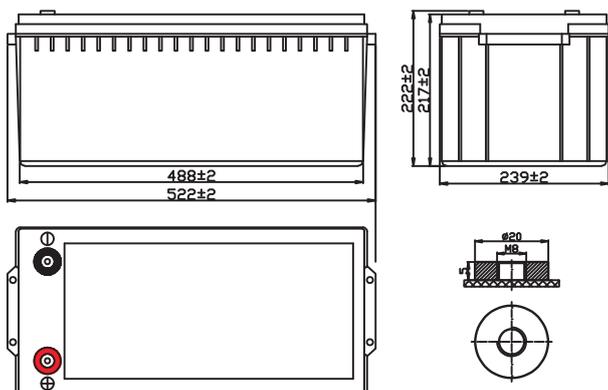


MODEL: OT200-12

Container Color
 Black C
 Grey 3 C


Parameter

Rated Voltage	12V	
Nominal Capacity(25°C)	200Ah(C ₁₀ , 10.8V)	
Dimension	Length	522±2mm(20.55 inch)
	Width	239±2mm(9.41 inch)
	Container Height	217±2mm(8.54 inch)
	Total Height	222±2mm(8.74 inch)
Weight±3%	60.2Kg(132.72 lbs)	
Terminal	T3/M8	
Container Material	ABS	
Rated Capacity(25°C)	180.5Ah	(5HR,36.1A, 10.5V)
	159.0Ah	(3HR,53.0A, 10.2V)
	120.5Ah	(1HR, 120.5A, 9.6V)
Full charged Internal Resistance(25°C)	Approx. 3.4mΩ	
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)	60.0A	
Charge Voltage(25°C)	Cycle	14.5~14.9V
	Temp. Coefficient	-30mV/°C
	Float	13.6~13.8V
	Temp. Coefficient	-18mV/°C
Self Discharge(25°C)	≤3% per month	
Design service life(25°C)	12 years	

Plane Chart:


Unit:(mm)

Constant Current Discharge Characteristics (A, 25°C)

F.V./Time	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	240.0	216.6	200.0	120.5	72.4	54.5	42.6	37.8	25.2	20.6	10.9
10.02V	234.0	210.4	195.2	118.0	71.7	53.5	42.3	37.1	24.8	20.5	10.8
10.20V	230.0	209.6	193.5	116.6	71.3	53.0	42.1	36.6	24.6	20.4	10.7
10.50V	222.0	202.5	186.8	112.4	70.7	52.6	41.8	36.1	24.4	20.3	10.6
10.80V	215.0	195.2	180.0	108.5	69.8	51.9	40.7	35.4	24.2	20.2	10.5

Constant Current Discharge Characteristics (Watt, 25°C)

F.V./Time	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2472	2274	2120	1325.5	837.5	639.8	502.7	447.8	299.4	246.0	130.8
10.02V	2434	2241	2089	1309.8	829.6	628.6	499.1	439.3	294.6	244.8	129.6
10.20V	2415	2230	2080	1305.9	824.7	622.3	496.8	433.7	292.2	243.6	128.4
10.50V	2362	2203	2027	1270.1	817.7	617.7	493.2	427.4	289.9	242.4	127.2
10.80V	2322	2157	1980	1236.9	807.8	609.5	480.3	419.1	287.5	241.2	126.0

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

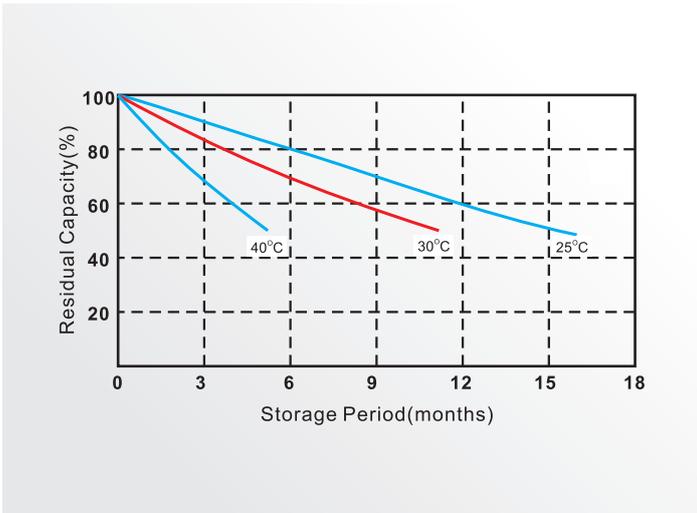
MODEL: OT200-12

Application scope

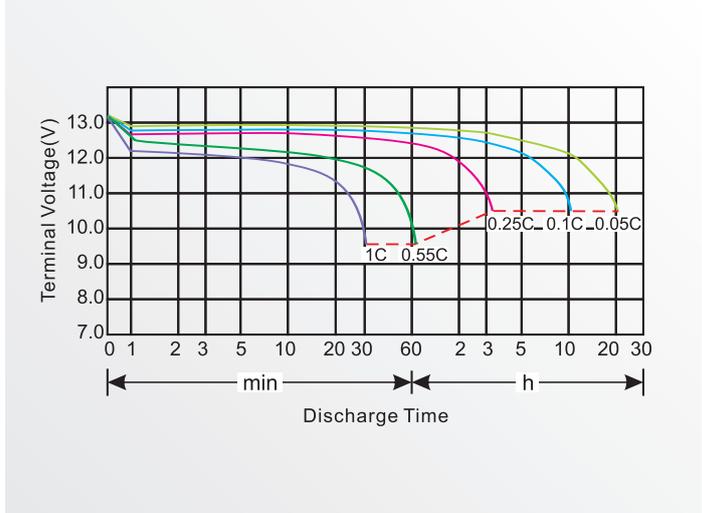
- Uninterruptable Power Supply(UPS)
- Industrial Process Control Facilities
- Data Network & Operation Centers
- Power supply system for electric tools
- Emergency Power Supply(EPS)
- Hospitals & Testing Laboratories
- Banks & Financial Markets
- Security alarm system



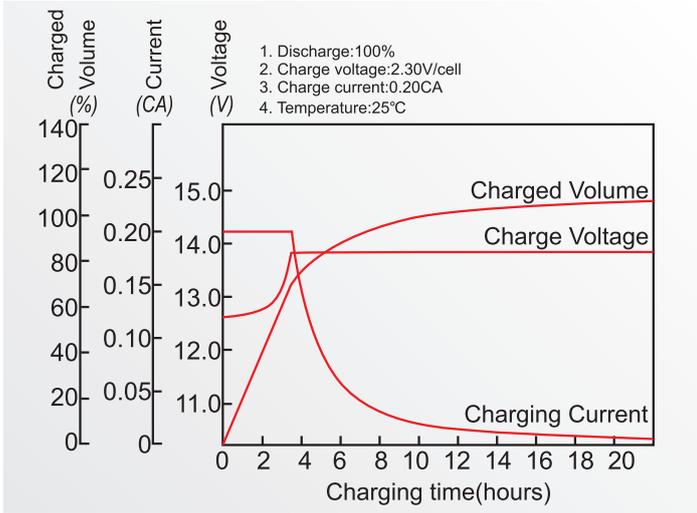
Residual Capacity



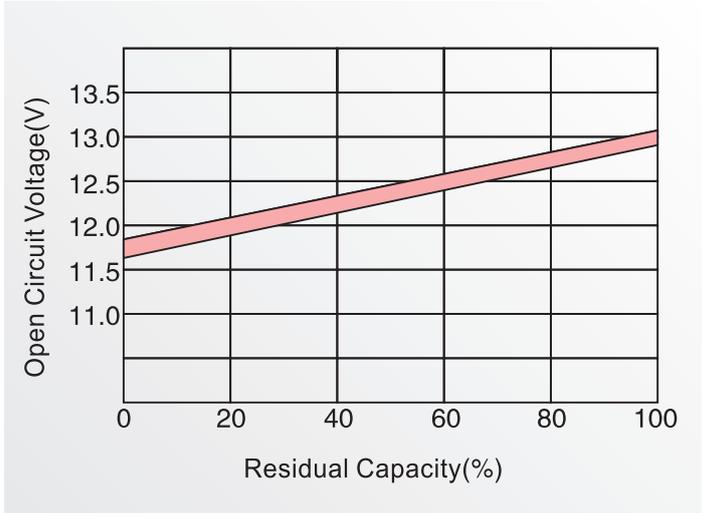
Discharge Current 25°C



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.

