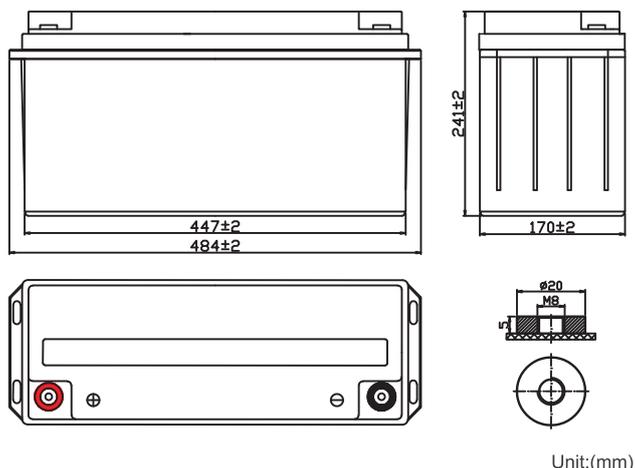


MODEL: OT150-12

Container Color
 Black C
 Grey 3 C


Parameter

Rated Voltage	12V	
Nominal Capacity(25°C)	150Ah(C ₁₀ , 10.8V)	
Dimension	Length	484±2mm(19.06 inch)
	Width	170±2mm(6.69 inch)
	Container Height	241±2mm(9.49 inch)
	Total Height	241±2mm(9.49 inch)
Weight±3%	42.5Kg(93.70 lbs)	
Terminal	T3/M8	
Container Material	ABS	
Rated Capacity(25°C)	130.5Ah	(5HR, 26.1A, 10.5V)
	116.7Ah	(3HR, 38.9A, 10.2V)
	90.0Ah	(1HR, 90.0A, 9.6V)
Full charged Internal Resistance(25°C)	Approx. 4.0mΩ	
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)	45.0A	
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	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	230.0	192.0	150.5	90.0	54.4	40.5	32.0	27.0	18.4	15.4	8.3
10.02V	221.0	186.0	147.2	87.2	53.2	39.5	31.6	26.7	18.2	15.3	8.2
10.20V	215.0	182.0	144.8	85.8	52.3	38.9	31.3	26.5	18.0	15.2	8.1
10.50V	203.0	177.0	140.5	83.6	51.4	38.2	30.7	26.1	17.8	15.1	8.0
10.80V	190.0	170.0	136.8	81.5	50.2	37.5	30.2	25.7	17.6	15.0	7.9

Constant Current Discharge Characteristics (Watt, 25°C)

F.V./Time	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	2410	2047	1620	1008.0	622.9	467.8	377.6	319.7	218.6	183.9	99.5
10.02V	2338	1986	1585	981.0	609.1	456.2	372.9	316.1	216.2	182.7	98.3
10.20V	2301	1955	1565	969.5	598.8	449.3	369.3	313.8	213.8	181.5	97.1
10.50V	2205	1920	1547	946.4	588.5	441.2	362.3	309.0	211.5	180.3	95.9
10.80V	2100	1882	1525	925.0	574.8	433.1	356.4	304.3	209.1	179.1	94.7

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

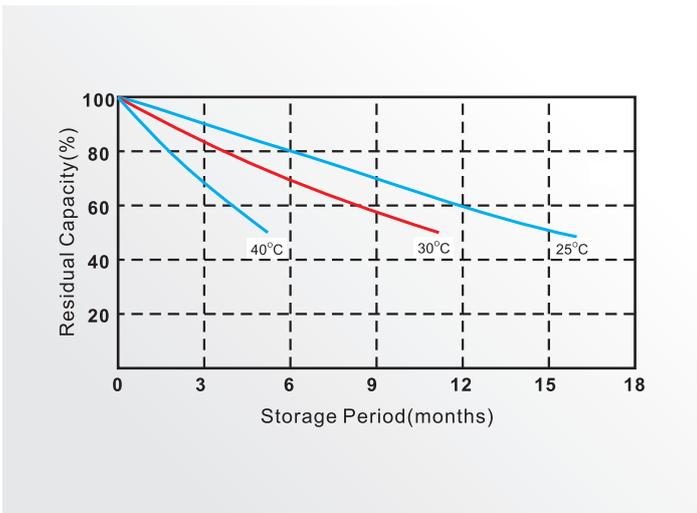
MODEL: OT150-12

Application scope

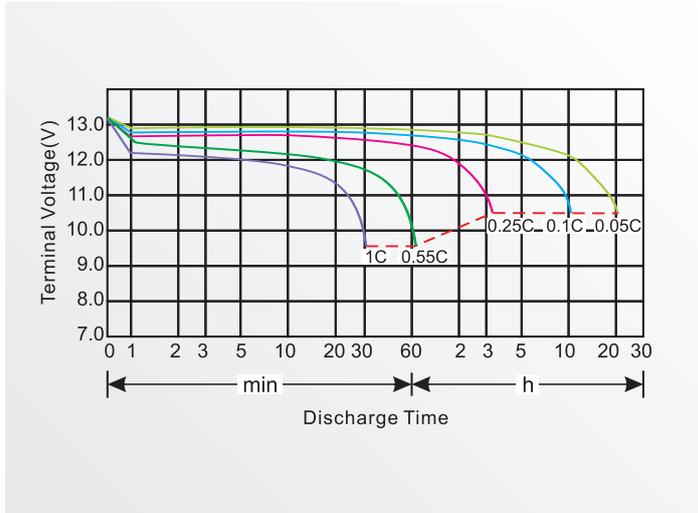
- Uninterruptable Power Supply(UPS)
- Industrial Process Control Facilities
- Data Network & Operation Centers
- Power supply system for electric tools
- Emergency Power Supply(EPS)
- Hospitals & Testing Laboratories
- Banks & Financial Markets
- Security alarm system



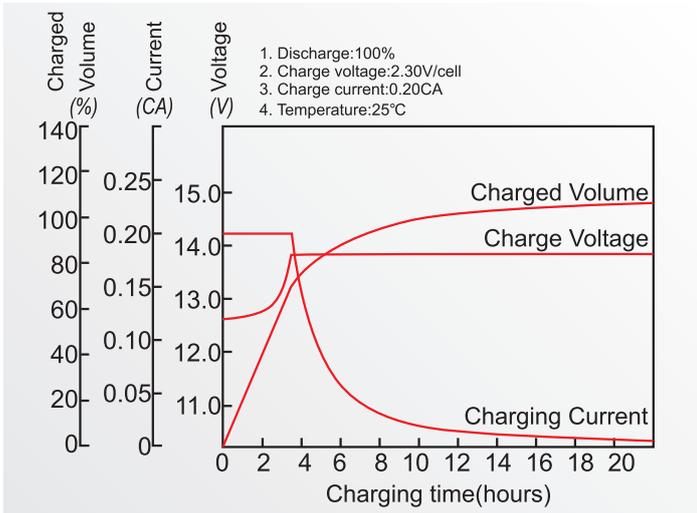
Residual Capacity



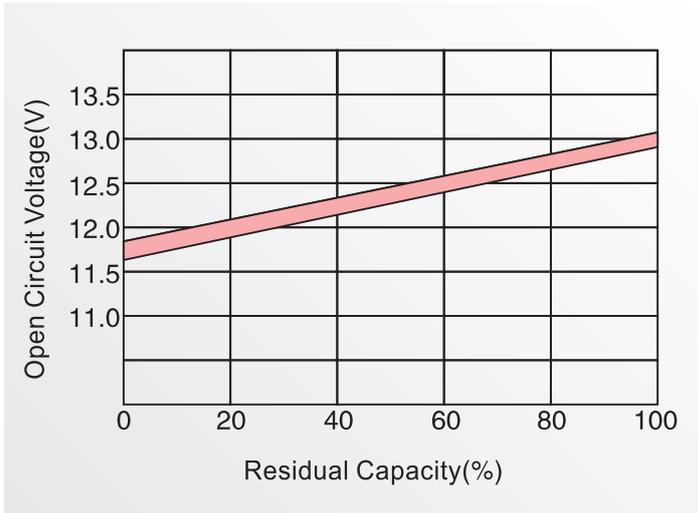
Discharge Current 25°C



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.

