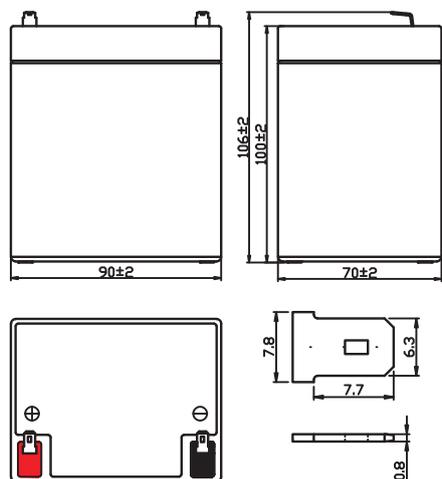


**MODEL: OT5-12/B**


Container Color  
 Black C  
 Grey 3 C

**Parameter**

Rated Voltage	12V	
Nominal Capacity(25°C)	5Ah(C <sub>20</sub> , 10.5V)	
Dimension	Length	90±2mm(3.54 inch)
	Width	70±2mm(2.76 inch)
	Container Height	100±2mm(3.94 inch)
	Total Height	106±2mm(4.17 inch)
Weight±3%	1.56Kg(3.44 lbs)	
Terminal	F2	
Container Material	ABS	
Rated Capacity(25°C)	4.22Ah	(5HR, 0.844A, 10.5V)
	4.02Ah	(3HR, 1.34A, 10.2V)
	3.02Ah	(1HR, 3.02A, 9.6V)
Full charged Internal Resistance(25°C)	Approx.32mΩ	
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)	1.5A	
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)	6 years	

**Plane Chart:**


Unit:(mm)

**Constant Current Discharge Characteristics (A, 25°C)**

F.V./Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	17.70	11.60	8.52	6.62	5.25	3.02	1.87	1.37	1.05	0.874	0.592	0.502	0.260
10.02V	16.00	11.42	8.40	6.52	5.11	2.99	1.83	1.35	1.03	0.860	0.585	0.495	0.257
10.20V	16.60	11.36	8.35	6.46	5.05	2.97	1.81	1.34	1.02	0.854	0.582	0.492	0.255
10.50V	15.90	10.70	8.26	6.35	4.86	2.92	1.79	1.32	1.01	0.844	0.572	0.482	0.250
10.80V	14.90	9.95	7.85	5.96	4.75	2.86	1.77	1.29	1.00	0.834	0.562	0.469	0.248

**Constant Current Discharge Characteristics (Watt, 25°C)**

F.V./Time	5min	10min	15min	20min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	189.9	126.4	94.6	73.5	58.7	34.2	21.3	16.0	12.3	10.31	7.03	5.97	3.10
10.02V	182.8	124.5	93.2	72.4	57.2	33.9	20.9	15.8	12.1	10.15	6.95	5.89	3.07
10.20V	179.9	124.1	92.7	71.7	56.8	33.8	20.8	15.8	12.0	10.09	6.91	5.85	3.04
10.50V	174.0	117.8	92.2	70.9	54.7	33.3	20.6	15.5	11.9	9.98	6.80	5.74	2.99
10.80V	164.0	113.0	87.9	66.8	53.4	32.9	20.4	15.2	11.8	9.87	6.68	5.58	2.96

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

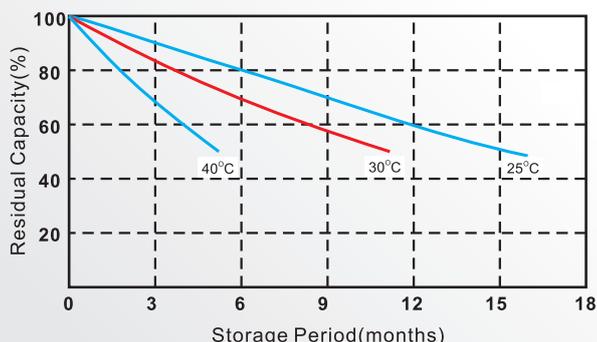
**MODEL: OT5-12/B**

**Application scope**

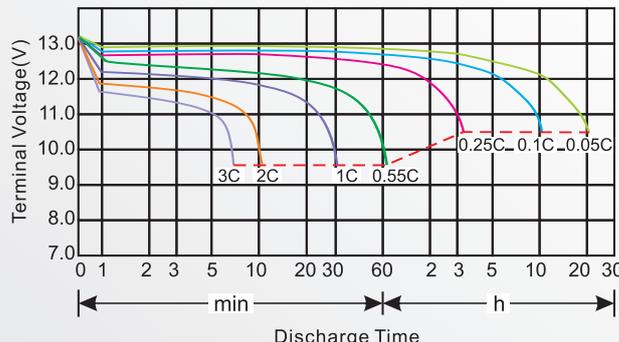
- Uninterruptable Power Supply(UPS)
- Industrial Process Control Facilities
- Data Network & Operation Centers
- Power supply system for electric tools
- Emergency Power Supply(EPS)
- Hospitals & Testing Laboratories
- Banks & Financial Markets
- Security alarm system



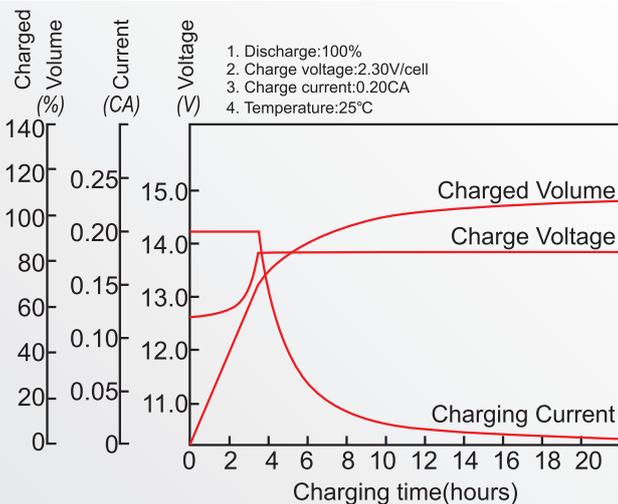
**Residual Capacity**



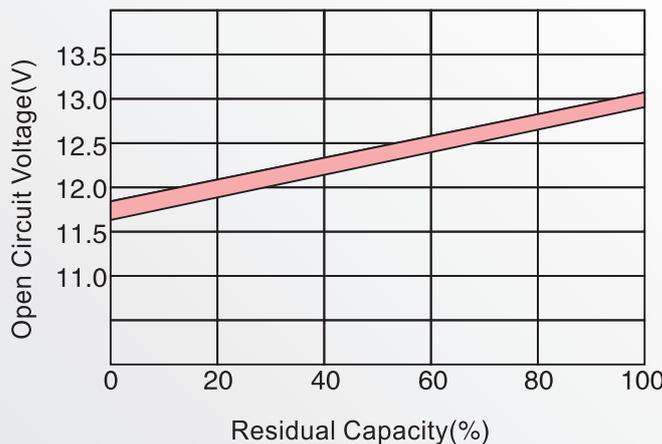
**Discharge Current 25°C**



**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.

