MODEL: OT7-12

NO.: 302010005-00065

Container Color
- ■ Black C
- ▨ Grey 3 C

Rechargeable Sealed Lead Acid Battery

CHARGING INSTRUCTION		Initial Current
Application	Voltage Regulation	AT 25°C
Floating use	13.6-13.8V	Less than 2.1A
Cycle use	14.5-14.9V	

OT7-12
12V7Ah/20HR

WARNING
• Risk of fire, explosion, or burns.
• Do not short the battery terminal.
• Do not disassemble or incinerate, the storage temperature should not over 50°C.

ZHANGZHOU HUAWEI POWER SUPPLY TECHNOLOGY CO.,LTD.

Plane Chart:

Unit:(mm)   Terminal type:(F1)

100±2
94±2
151±2
65±2
4.8
6.6
0.8
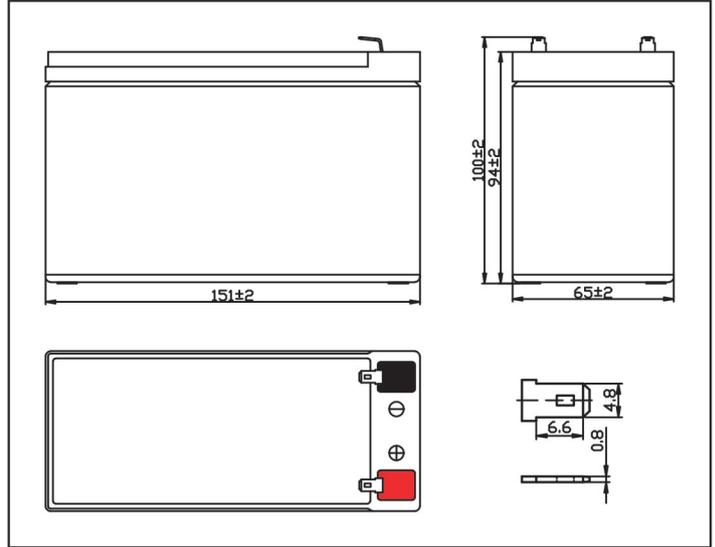
ISO9001
ISO14001
OHSAS18001

MH49393

Parameter Chart:

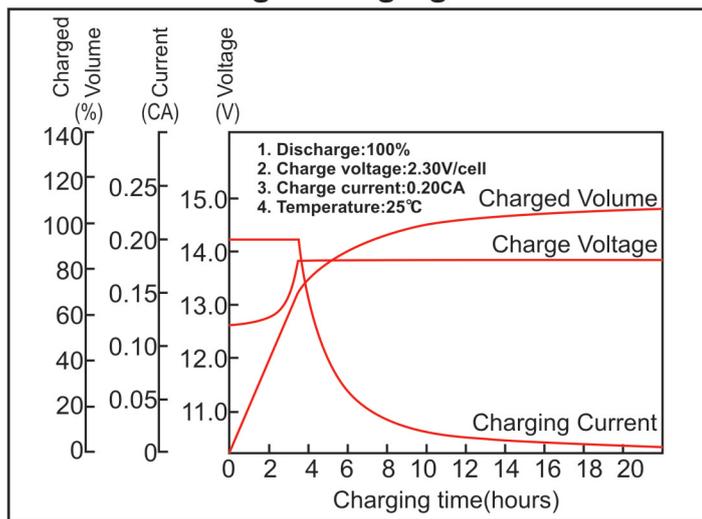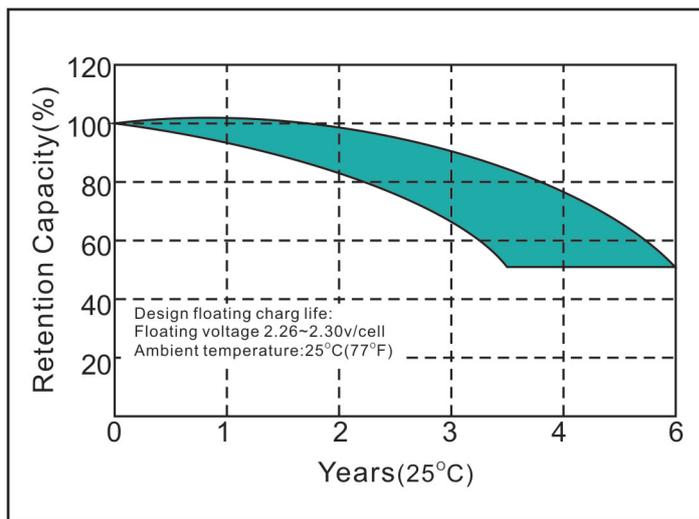| Volts	12V	
Capacity(25°C)	20 hours rate (0.35A)	7Ah
Discharge Current Testing (25°C)	20 I_{20} rate (7A,27min)	36min
	60 I_{20} rate (21A,7min)	8min
Internal Resistance	Full Charged Battery 25°C	20.5mΩ
Capacity Affected By Temperature	40°C	104%
	25°C	100%
	0°C	83%
	-15°C	65%
Residual Capacity (25°C)	Capacity After 3 Months Storage	91%
	Capacity After 6 Months Storage	82%
	Capacity After 12 Months Storage	65%
Charge (Constant Voltage)	Cycle (25°C)	Initial Charging Current Less Than 2.1A Voltage 14.5~14.9V
	Float (25°C)	Charge Voltage 13.6~13.8V
Weight (Approx)		2.09Kg
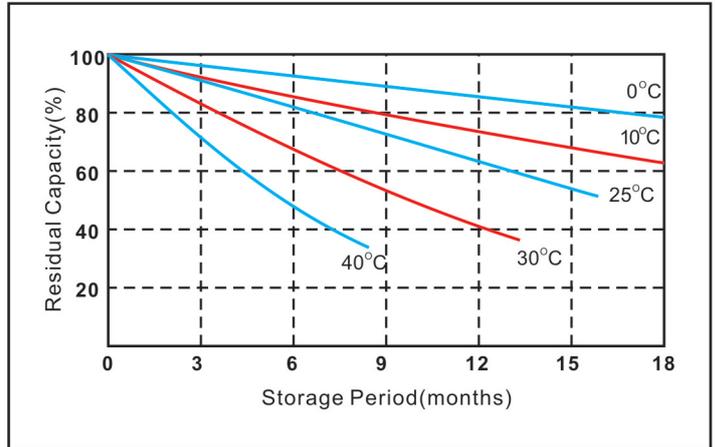
★The above are average and data obtained from the firsr 3 charge/discharge cycles. These are not minimum values.

Residual Capacity

Discharge Current 25°C
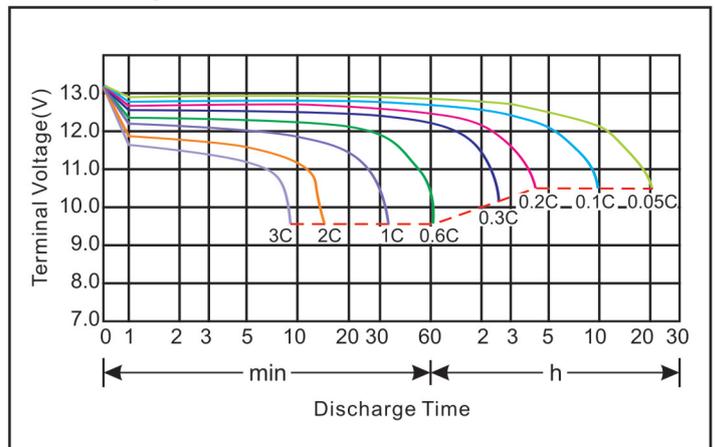
MODEL: OT7-12
NO.: 302010005-00065

Constant voltage charging characteristics

1. Discharge:100%
2. Charge voltage:2.30V/cell
3. Charge current:0.20CA
4. Temperature:25℃

Float Life

Design floating charg life:
Floating voltage 2.26~2.30v/cell
Ambient temperature:25°C(77°F)

Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	26.19	17.46	13.58	7.76	4.56	2.42	1.68	1.12	0.77	0.69	0.36
10.2V	24.93	16.59	13.00	7.43	4.41	2.35	1.65	1.10	0.76	0.68	0.35
10.5V	24.20	16.10	12.66	7.24	4.32	2.33	1.62	1.08	0.75	0.67	0.35
10.8V	23.47	15.62	12.32	7.04	4.22	2.30	1.60	1.07	0.74	0.66	0.34

Constant Current Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	291.97	196.91	155.20	88.95	52.77	28.18	19.98	13.39	9.09	8.26	4.30
10.2V	278.39	185.27	148.41	85.17	51.12	27.80	19.59	13.19	9.02	8.15	4.20
10.5V	270.15	179.94	144.53	82.94	50.00	27.50	19.30	13.00	8.98	8.04	4.14
10.8V	261.90	174.60	140.65	80.70	48.89	27.20	19.01	12.80	8.94	7.92	4.08

Capacity Factors With Different Temperature

Battery Type		−20°C	−10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

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