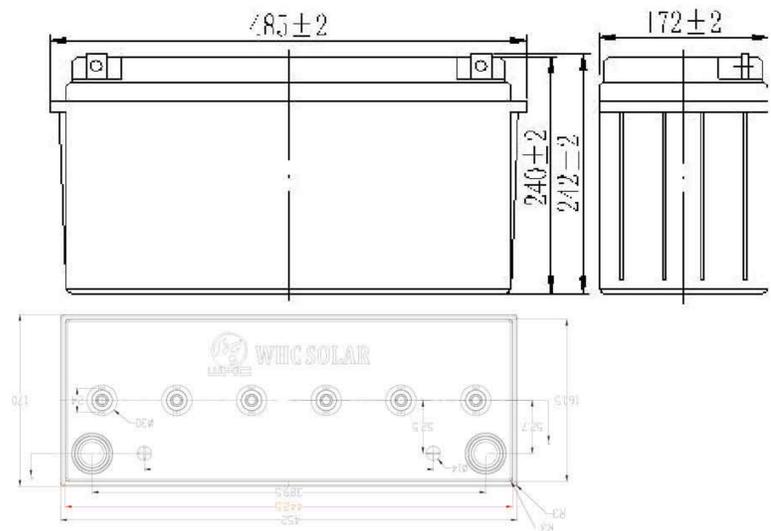


Specifications »

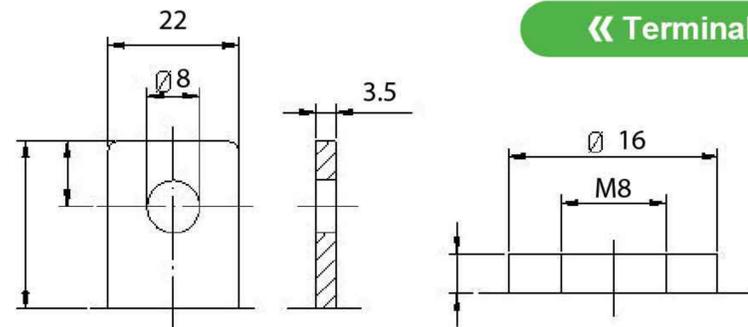
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	150 Ah
	5HR(10.5V)	130Ah
	1HR(9.60V)	93Ah
Dimension	Length	485±2mm(19.09inch)
	Width	172±2mm (6.77inch)
	Height	240±2mm (9.45inch)
	Total Height	T5: 242±2mm (9.53inch) T11: 240±2mm (9.45inch)
Terminal Type		T5/T11
Internal Resistance (Fully Charged, 25°C)		Approx. 3.3mΩ
Capacity Affected By Temperature (10HR)	40 °C	102%
	25 °C	100%
	0 °C	85%
	-15 °C	65%
Self -Discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal Operating Temperature		25°C±3°C (77°F± 5°F)
Operating Temperature Range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float Charging Voltage(25°C)		13.50 to 13.80V Temperature Compensation: -18 mV/°C
Cyclic Charging Voltage(25°C)		14.50 to 14.90V Temperature Compensation: -30mV/°C
Maximum Charging Current		40A
Terminal Material		Copper
Maximum Discharge Current		1200A(5 sec.)



« Dimensions



« Terminal



Terminal T5

Terminal T11

◆ Absorbent glass mat technology; ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

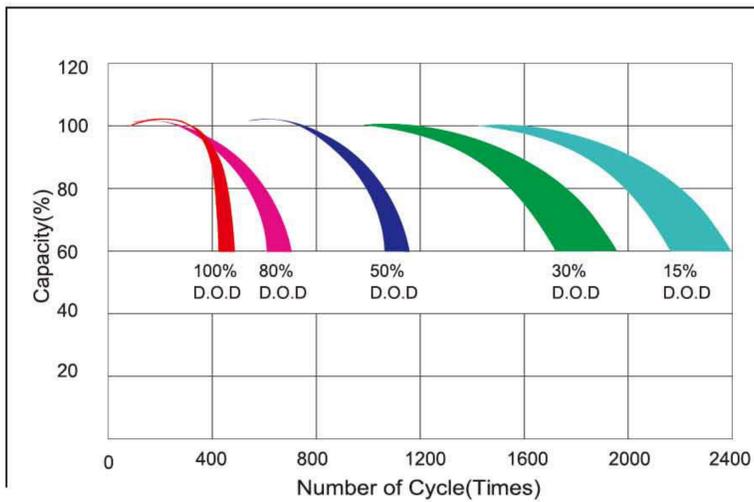
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	248	150	93	54.8	38.3	31.4	26.8	23.4	18.4	15.3	8.02
9.90V	242	147	91.6	54.5	38.0	31.2	26.6	23.3	18.3	15.2	8.00
10.2V	233	143	89.3	54.0	37.8	31.0	26.4	23.1	18.1	15.2	7.98
10.5V	225	139	87.5	53.2	37.5	30.8	26.3	23.0	18.0	15.1	7.93
10.8V	213	134	84.8	51.8	36.4	29.8	25.5	22.3	17.5	15.0	7.88

Constant Power Discharge Characteristics (Watt, 25°C)

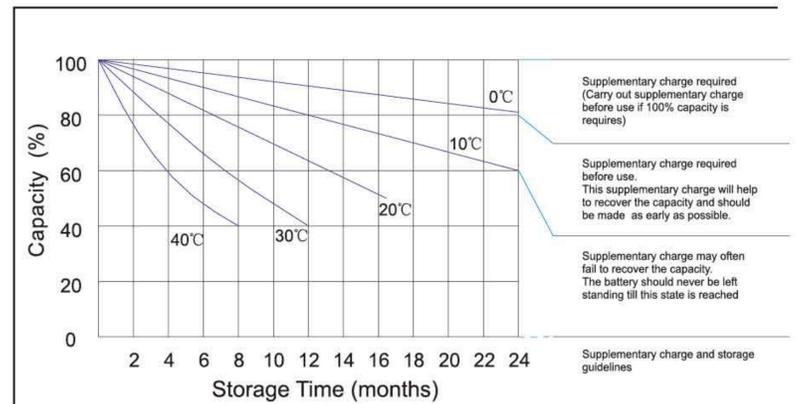
F.V/TIME	15 min	30 min	60 min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2718	1683	1060	635	450	369	316	277	218	182	96.2
9.90V	2652	1649	1044	631	447	367	315	275	217	182	96.0
10.2V	2554	1599	1018	625	444	364	312	273	215	181	95.7
10.5V	2468	1560	998	616	441	362	310	271	214	180	95.2
10.8V	2337	1503	967	600	428	351	301	263	207	179	94.5

Note: The Above Characteristics Data Can Be Obtained Within Three Charge/discharge Cycles.

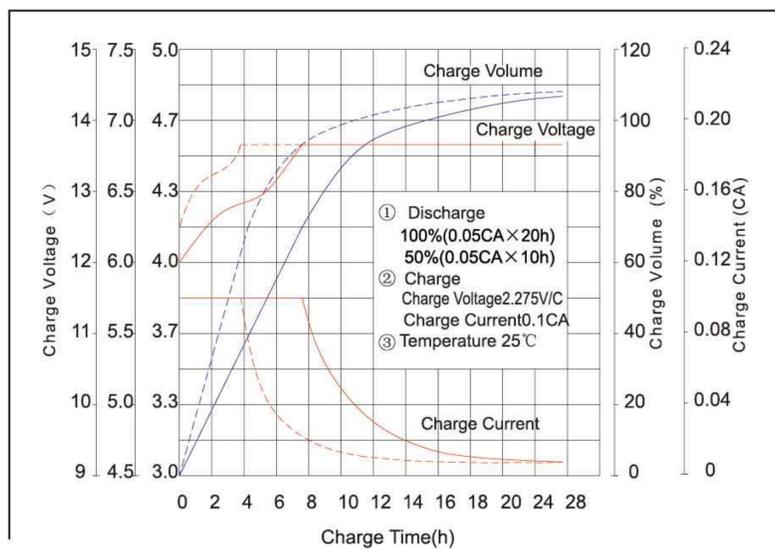
Life Characteristics Of Cyclic Use



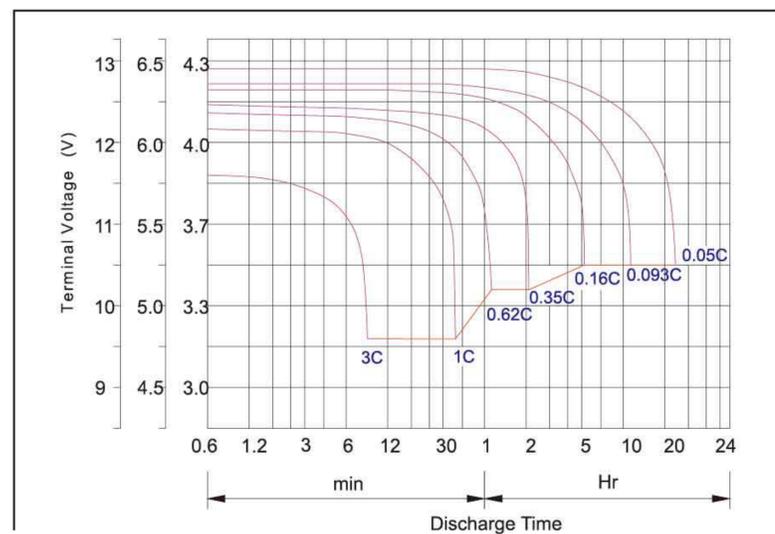
Storage Characteristic



Charge Characteristic Curve For Cyclic Use



Discharge Characteristic Curve



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
GEL Battery	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

Discharge Current Vs. Discharge Voltage

Final Discharge Voltage V /cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤ 0.2C	0.2C < (A) < 1.0C	(A) ≥ 1.0C

Charge The Batteries At Least Once Every Six Months, If the X23655mm stored At 25°C.

Charaina Method:

Constant Voltage	-0.2Cx2h+2.4-2.45V/cellx24h, Max. Current 0.2C
Constant Current	-0.2Cx2h+0.1Cx12h
Fast	-0.2Cx2h+0.2Cx6h

Bolt	M5	M6	M8
Terminal	F3F4F13F18T25T26	F8 F11 F12-1 F15	F5F9F10F12F14F16
Torque	6~7N-m	8~10N-m	10~12N-m

Maintenance & Cautions

Cycle Service»

- Avoid Battery Over Discharge, Especially Battery Sereis Connection Use. ✖
- Charged With Recommend Voltage, Ensure Battery Can Be Full Recharged. ✖
- In General, Recharge Capacity Should Be 1.1-1.15 Times Discharge Capacity.
- There Are A Number Of Factors That Will Affect The Length Of Cyclic Service. ✖
- Generally Specking, The Most Important Factors Is Depth Of Discharge.
- Effect Of Temperature On Cycle Charge Voltage: -4mv/°c/cell. ✖
- The Most Significant Are Depth Of Discharge, Ambient Temperature.
- Discharge Rate, And The Manner In Which The Battery Is Recharged.