

# GLORY ASFT12-100D (12V100Ah)

## Specification

<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	100Ah@20hr-rate to 1.75V per cell @25°C
<b>Weight</b>	Approx. 28.5 Kg (Tolerance ±3.0%)
<b>Internal Resistance</b>	Approx. 6.0 mΩ
<b>Terminal</b>	F14(M8)
<b>Max. Discharge Current</b>	1000A (5 sec)
<b>Design Life</b>	15 years (floating charge)
<b>Max. Charging Current</b>	30.0 A
<b>Reference Capacity</b>	C3 76.5AH C5 86.0AH C10 95.2AH C20 100.0AH
<b>Float Charging Voltage</b>	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
<b>Cycle Use Voltage</b>	14.2 V~14.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
<b>Operating Temperature Range</b>	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
<b>Normal Operating Temperature Range</b>	25°C ±5°C
<b>Self Discharge</b>	TECHNOPOWER Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
<b>Container Material</b>	A.B.S. UL94-HB, UL94-V0 Optional.



FTD (Front Terminal Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharge. By using strong grids, thick plate and special active material are designed for repeated deep-discharge applications. The FTD series battery offers 30% more cyclic life than the standby series. And the dimensions are designed for 19" and 23" cabinet installation. It is suitable for telecom, solar and wind renewable energy storage, mobility and medical equipment, RV, telecom, broadband and cable TV, UPS systems etc.

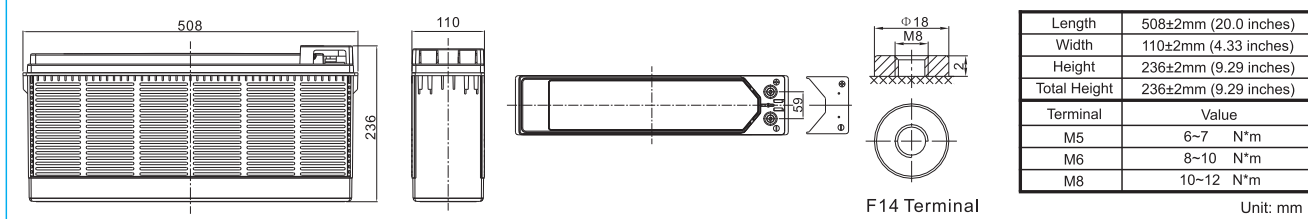


ISO 9001 ISO 14001 OHSAS 18001



MH 28539

## Dimensions



### Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	235.5	180.9	107.8	60.7	36.2	28.2	22.1	18.8	12.1	10.0	5.18
1.65V	217.0	169.1	102.1	58.7	35.0	27.3	21.4	18.2	12.0	9.90	5.15
1.70V	201.1	159.1	96.8	56.8	34.0	26.2	20.8	17.7	11.8	9.71	5.09
1.75V	184.5	149.0	93.0	55.0	32.7	25.5	20.2	17.2	11.6	9.62	5.00
1.80V	167.9	136.4	89.6	52.6	31.6	25.0	19.7	17.0	11.4	9.52	4.95
1.85V	131.4	112.9	76.0	46.9	28.9	23.3	18.5	15.6	10.7	8.95	4.91

### Constant Power Discharge Characteristics : WPC(25°C)

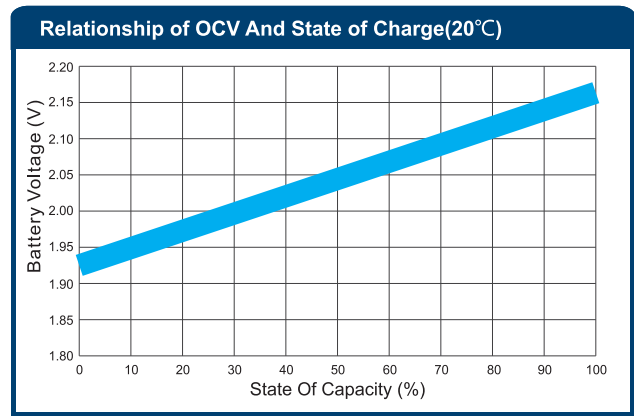
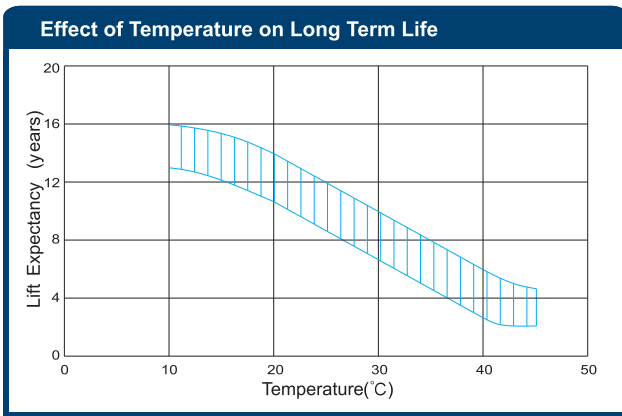
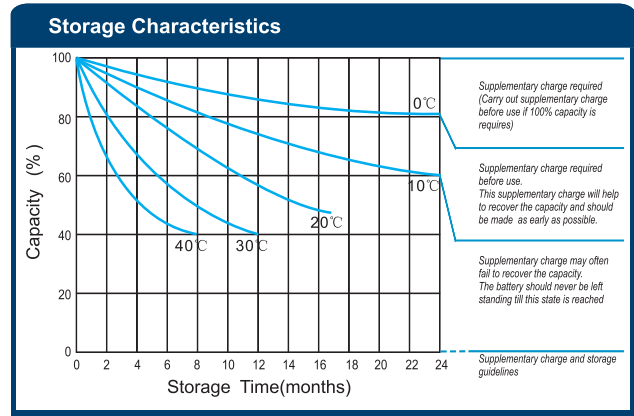
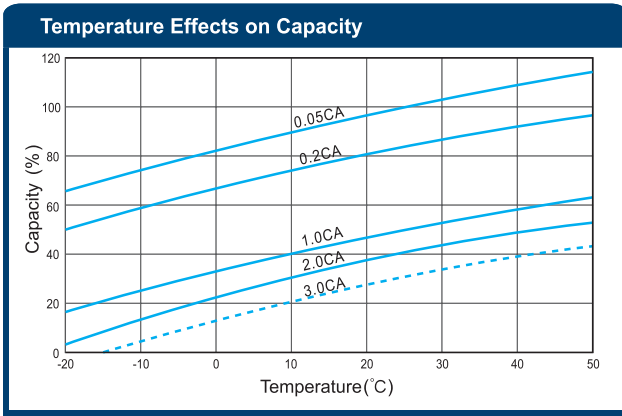
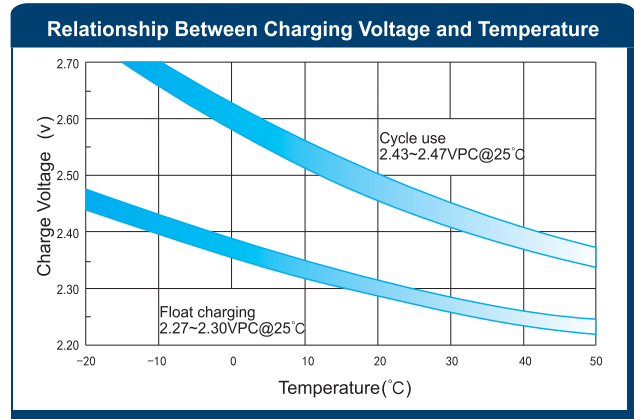
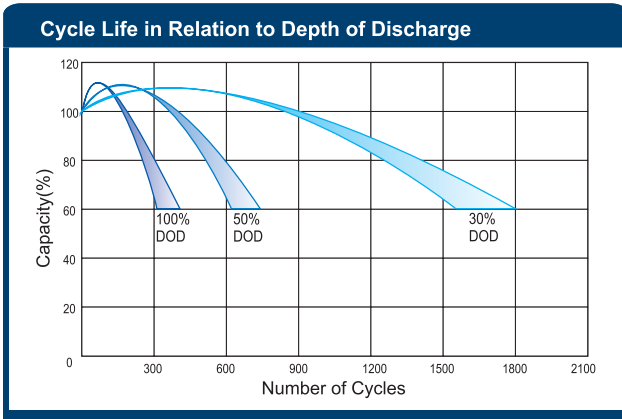
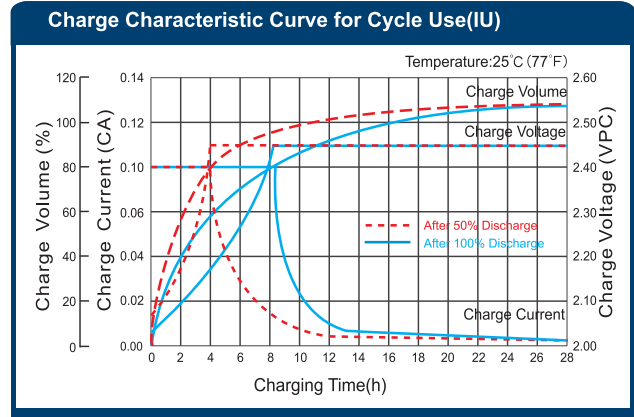
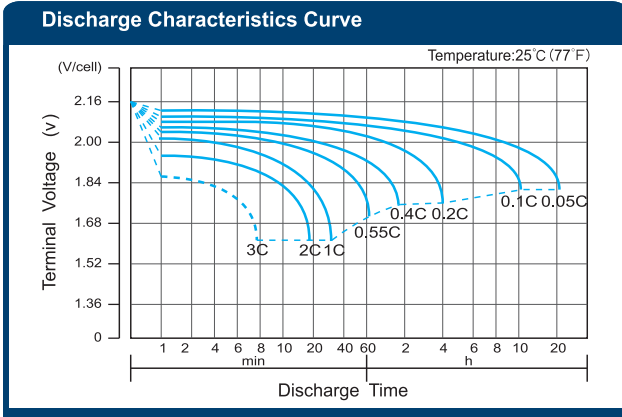
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	401.1	315.5	195.9	114.0	68.4	53.5	42.6	35.6	23.5	19.6	10.3
1.65V	386.2	306.8	191.3	112.1	66.5	52.2	41.6	34.6	23.3	19.4	10.3
1.70V	360.4	290.4	182.1	108.8	64.9	50.2	40.2	33.8	23.0	19.0	10.2
1.75V	335.4	274.1	175.7	105.8	62.6	48.9	39.3	33.0	22.7	18.9	10.0
1.80V	309.0	253.4	170.0	101.4	61.2	48.7	38.5	32.5	22.3	18.7	9.88
1.85V	245.1	212.9	145.8	91.1	56.3	45.4	36.3	30.1	21.1	17.6	9.79

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

The battery must be fully charged before the capacity test. The C<sub>20</sub> should reach 95% after the first cycle and 100% after the third cycle.

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Deep Cycle



(Note) All above information shall be changed without prior notice, Ritar reserves the right to explain and update the latest information.