

# GLORY ASFT12-105D (12V105Ah)

Deep Cycle

## Specification

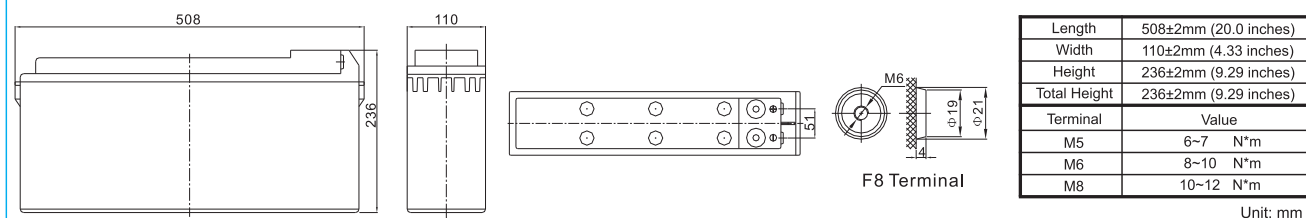
<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	105Ah@20hr-rate to 1.75V per cell @25°C
<b>Weight</b>	Approx. 32.5 Kg (Tolerance ±3.0%)
<b>Internal Resistance</b>	Approx. 6.5 mΩ
<b>Terminal</b>	F14(M8)/F8(M6)
<b>Max. Discharge Current</b>	1050A (5 sec)
<b>Design Life</b>	15 years (floating charge)
<b>Max. Charging Current</b>	31.5 A
<b>Reference Capacity</b>	C3 80.4AH C5 90.5AH C10 100.0AH C20 105.0AH
<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.



## Dimensions



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

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	189.9	113.2	63.8	38.0	29.6	23.2	19.7	12.7	10.5	5.44
1.65V	177.6	107.2	61.6	36.7	28.7	22.5	19.1	12.6	10.4	5.41
1.70V	167.0	101.7	59.6	35.7	27.5	21.8	18.6	12.4	10.2	5.34
1.75V	156.4	97.7	57.8	34.4	26.8	21.2	18.1	12.2	10.1	5.25
1.80V	143.3	94.1	55.2	33.2	26.3	20.7	17.9	12.0	10.0	5.20
1.85V	118.5	79.8	49.3	30.3	24.4	19.4	16.4	11.3	9.40	5.15

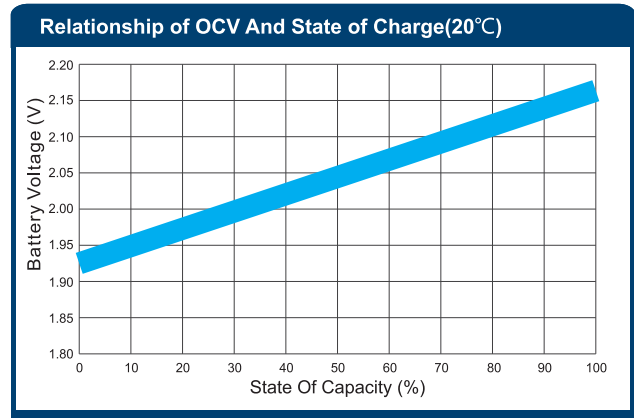
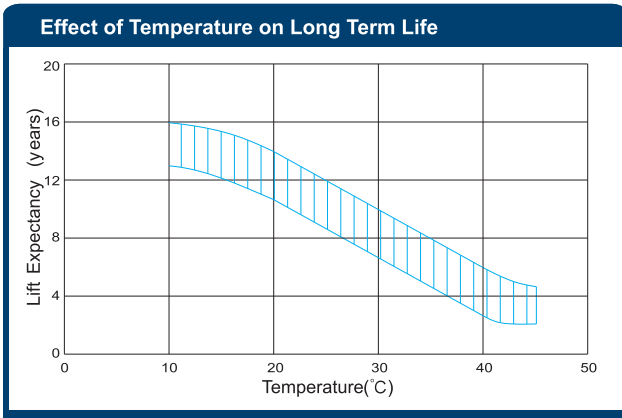
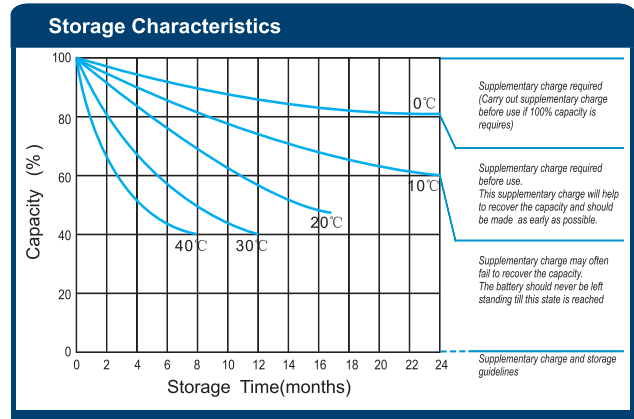
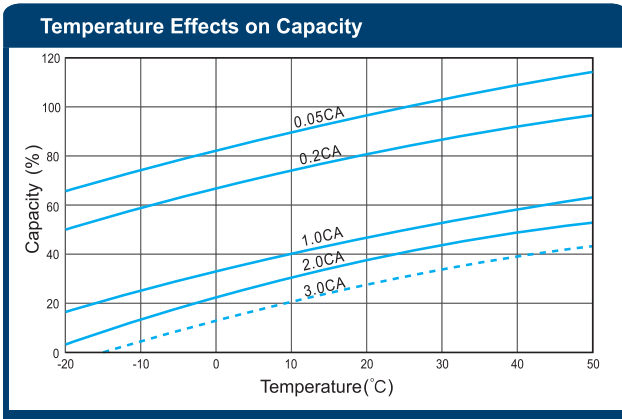
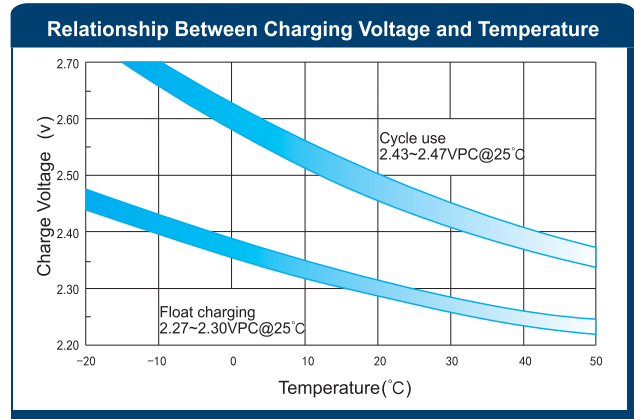
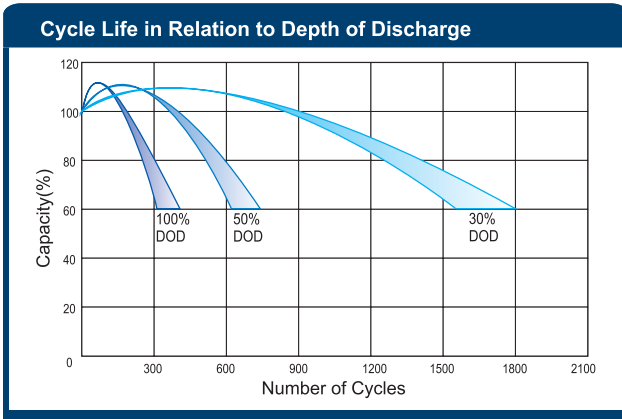
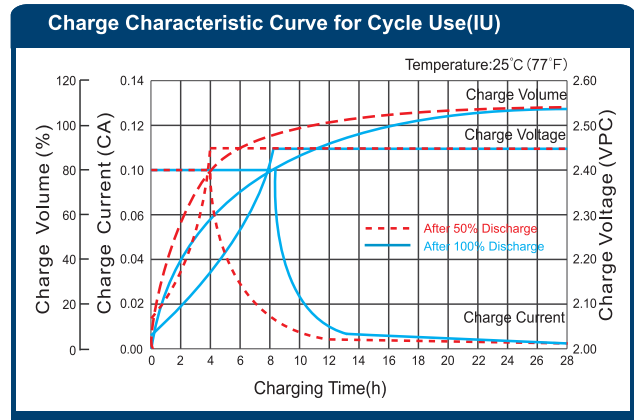
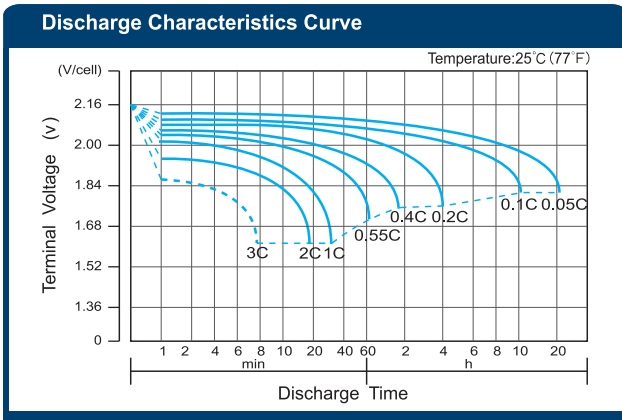
### Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	331.3	205.7	119.7	71.8	56.2	44.7	37.4	24.7	20.6	10.9
1.65V	322.1	200.9	117.7	69.9	54.8	43.6	36.4	24.5	20.4	10.8
1.70V	304.9	191.2	114.2	68.1	52.7	42.2	35.4	24.2	20.0	10.7
1.75V	287.8	184.5	111.1	65.7	51.4	41.3	34.6	23.8	19.8	10.5
1.80V	266.0	178.5	106.5	64.2	51.1	40.5	34.2	23.4	19.6	10.4
1.85V	223.5	153.1	95.7	59.1	47.7	38.1	31.6	22.1	18.5	10.3

(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.

# GLORY ASFT12-105SD (12V105Ah)

Deep Cycle



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