

GLORY ASDC12-190 (12V190Ah)

Specification

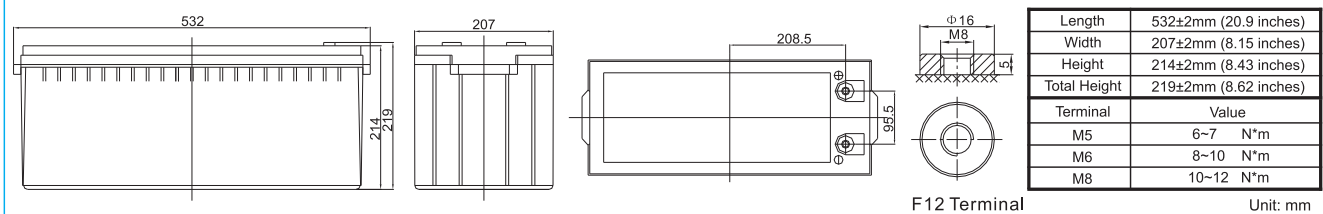
Cells Per Unit	6
Voltage Per Unit	12
Capacity	190Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 56.0 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 4.0 mΩ
Terminal	F16(M8)/F12(M8)
Max. Discharge Current	1900A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	57.0 A
Reference Capacity	C3 145.2AH C5 163.7AH C10 181.0AH C20 190.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	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.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharging. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment and cable TV etc.



Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	415.2	333.1	204.8	115.4	68.72	53.53	41.99	35.72	22.91	19.00	9.847
1.65V	382.5	311.5	194.0	111.5	66.42	51.88	40.73	34.60	22.73	18.82	9.794
1.70V	354.5	293.0	184.0	107.9	64.65	49.69	39.48	33.66	22.37	18.46	9.671
1.75V	325.2	274.4	176.7	104.5	62.17	48.41	38.40	32.73	22.01	18.28	9.500
1.80V	295.9	251.3	170.2	99.86	60.04	47.50	37.50	32.30	21.65	18.10	9.408
1.85V	231.6	207.9	144.3	89.14	54.91	44.21	35.17	29.73	20.38	17.01	9.320

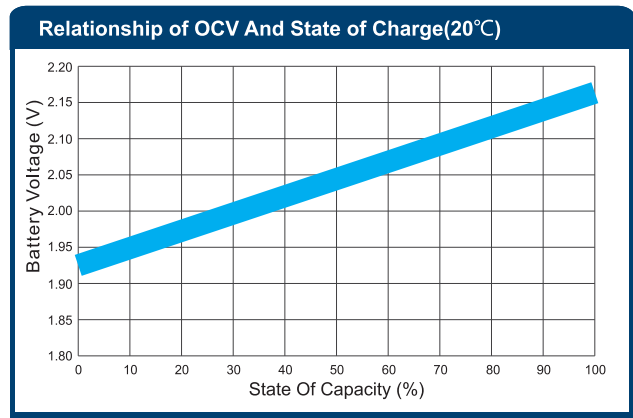
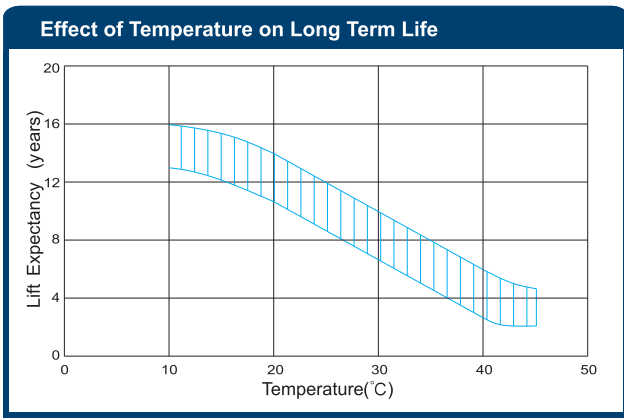
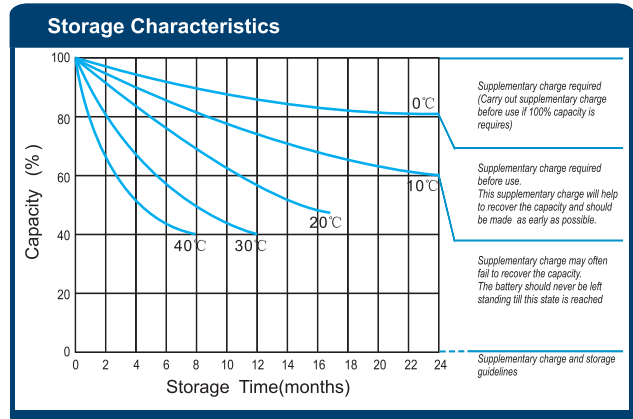
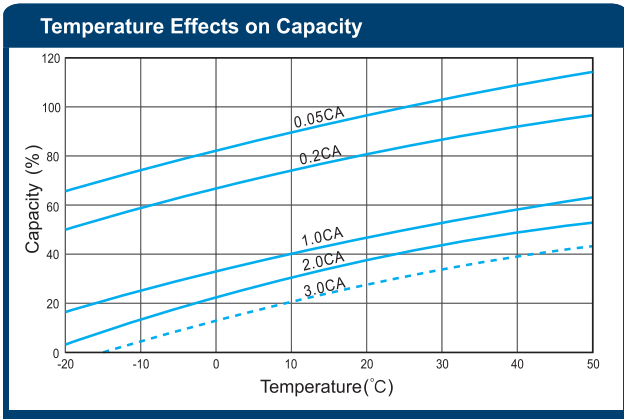
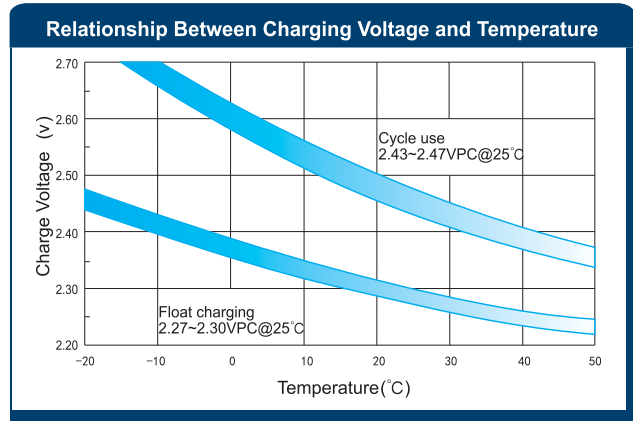
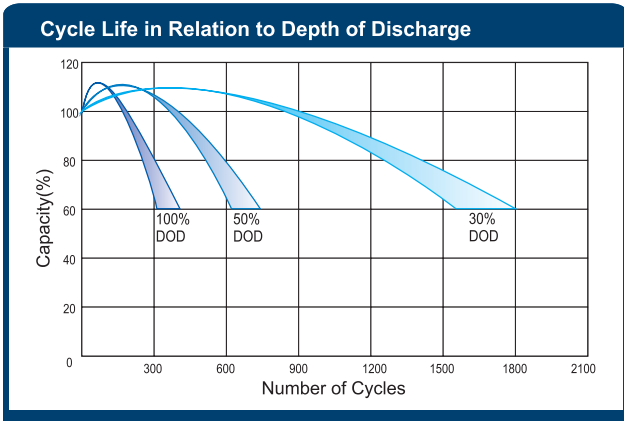
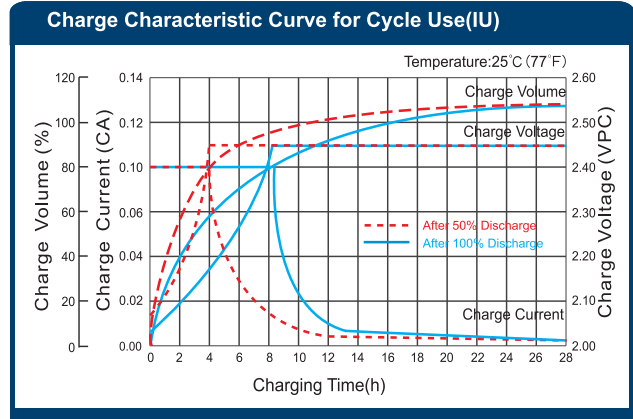
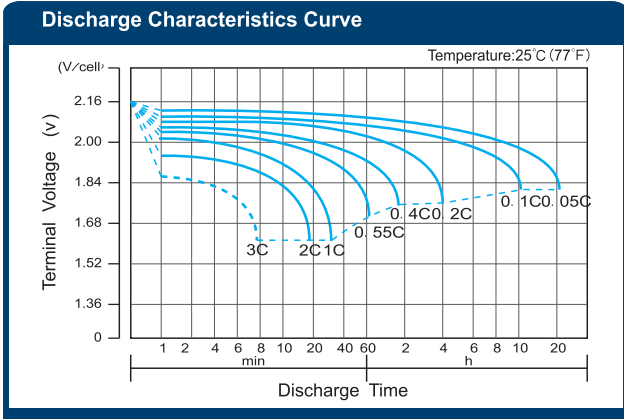
Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	707.0	581.1	372.2	216.6	129.9	101.6	80.93	67.61	44.65	37.26	19.66
1.65V	680.8	565.0	363.5	212.9	126.4	99.11	78.96	65.78	44.29	36.90	19.48
1.70V	635.4	534.8	346.0	206.7	123.3	95.32	76.44	64.14	43.75	36.19	19.31
1.75V	591.3	504.8	333.9	201.0	118.9	92.96	74.65	62.67	43.04	35.83	18.96
1.80V	544.8	466.6	323.1	192.7	116.2	92.44	73.21	61.83	42.32	35.47	18.78
1.85V	432.1	392.0	277.1	173.1	107.0	86.23	68.91	57.19	40.00	33.50	18.61

(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 C₂₀ 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.