



GY Series lead-acid battery GY3-EVF-225P



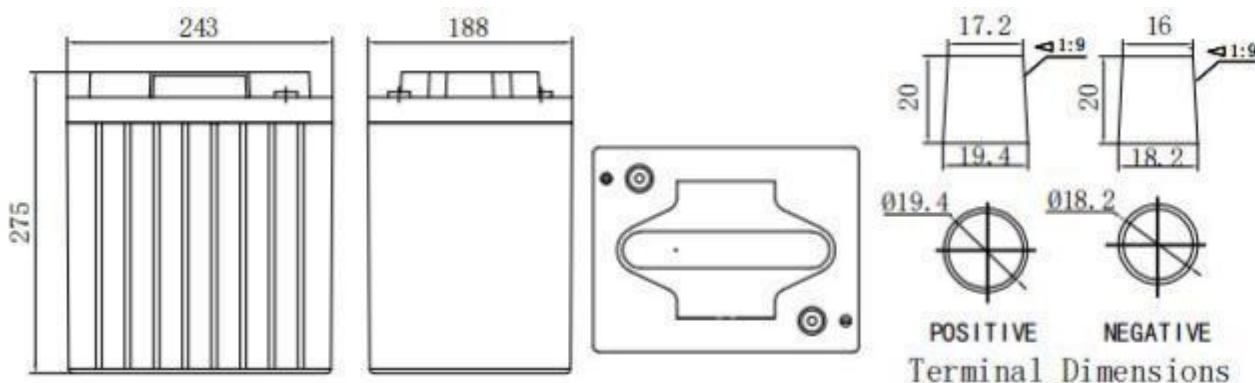
General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life



Dimension: 243(L) × 188(W) × 275(H) × 275(TH) / (±3)

Unit: mm



Specification

Nominal Voltage	6V
Nominal Capacity	225Ah@20Hour-rate to 1.75V per cell @25°C
Design life	10 years
Terminal	AP
Approx. Weight	Approx. 31.7kg±3% (69.9lbs±3%)
Container Material	ABS
short-circuit current	2608A
Internal resistance(Full charged at 25°C:)	2.3 mΩ
Self discharge	3% of capacity declined per month at 25°C

Operating Temperature

Discharge:	-20 ~50°C(-4~ 122°F)
Charge :	-20 ~50°C(-4~ 122°F)
Storage:	-20 ~50°C(-4~ 122°F)

Charge Method(25 °C)

Charge current:	Max. 56.3A; Recom. 22.5A
Float charge: 6.75-6.90V	recom. 6.90V(-9mV/ °C)
Equalize charge: 6.90-7.05V	recom. 7.05V(-12mV/ °C)
Cycle charge: 7.20-7.50V	recom. 7.20V(-15mV/ °C)

Standards

Executive standard GB/T 32620.1-2016

Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting, Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

Rated Capacity

20Hour Rate (11.25A to 5.25V)	225.0Ah
3Hour Rate (59.8A to 5.10V)	179.4Ah
1Hour Rate (139A to 4.80V)	139.0Ah

Attain Certificate



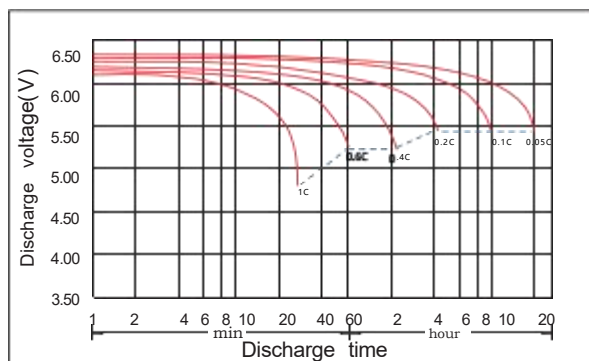
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



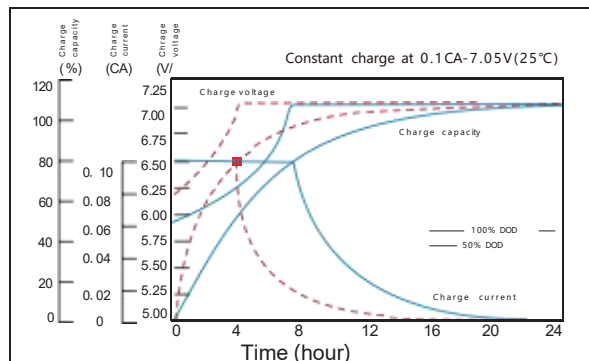
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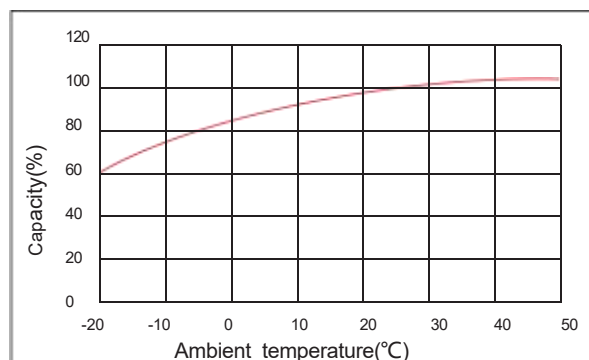
Discharge characteristic



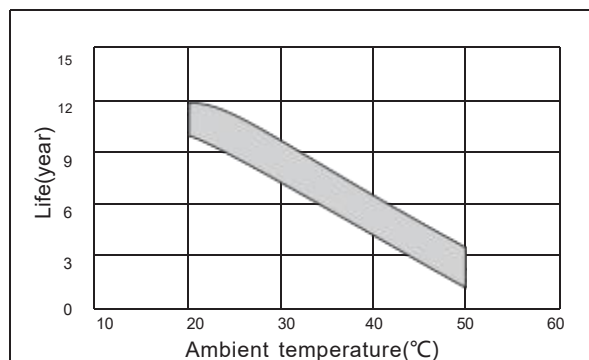
Charging characteristic



The effect of temperature on capacity



The effect of temperature on float life



Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	225	175	139	93.3	85.6	61.5	44.5	41.3	32.9	27.1	22.8	11.74
1.65V	301	221	172	138	92.2	84.5	60.9	44.1	40.9	32.7	26.9	22.7	11.58
1.70V	289	217	170	137	91.1	83.4	59.8	43.6	40.5	32.3	26.7	22.4	11.41
1.75V	266	216	169	135	90.5	82.3	59.3	43.3	40.1	32	26.5	22.2	11.25
1.80V	238	206	162	131	89.5	80.7	58.7	42.9	38.9	31.6	26.2	22	11.09
1.85V	212	188	149	122	86.7	76.8	55.4	41.6	37	30.7	25.2	21.3	10.81

Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

FV/Time	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	405	323	265	181	166	119	86.3	80.1	64.2	52.8	44.5	23
1.65V	512	398	319	263	179	164	118	85.5	79.4	63.7	52.4	44.2	22.7
1.70V	491	391	315	261	177	162	116	84.6	78.5	62.7	52.1	43.7	22.4
1.75V	452	388	313	258	176	160	115	83.9	77.6	62.2	51.7	43.3	22
1.80V	404	371	301	251	174	157	114	83.1	75.5	61.3	51.1	42.8	21.7
1.85V	363	341	278	234	169	150	108	81.1	72.1	59.9	49.3	41.8	21.3