



GY Series lead-acid battery GY3-EVF-330D



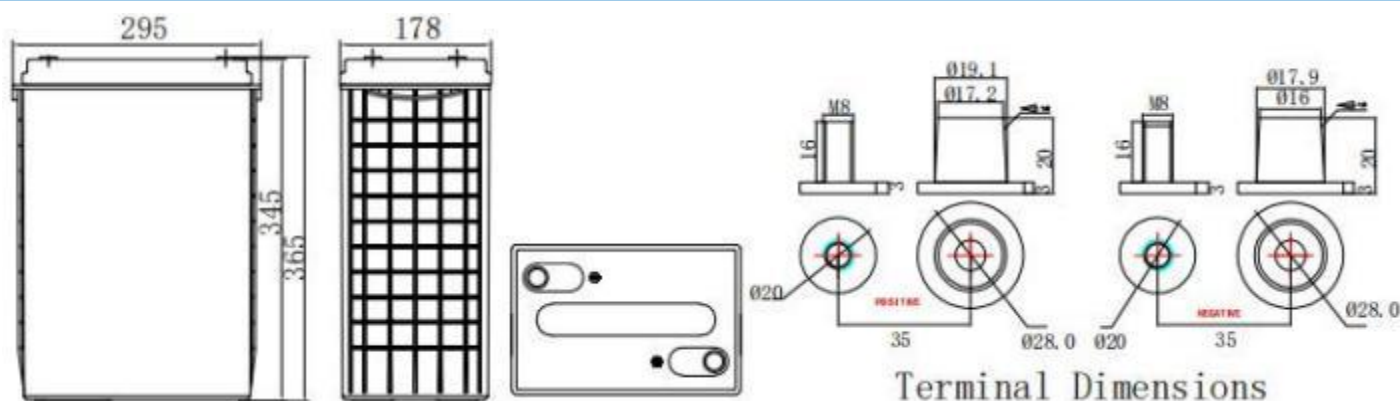
General Features

- 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: 295(L) × 178(W) × 345(H) × 365(TH) / (±3)

Unit: mm



Terminal Dimensions

Specification

Nominal Voltage	6V
Nominal Capacity	330Ah@20Hour-rate to 1.75V per cell @25°C
Design life	10 years
Terminal	DT
Approx. Weight	Approx. 47.0kg±3% (103.6lbs±3%)
Container Material	ABS(UL94-HB, UL94-V0 optional)
short-circuit current	3333A
Internal resistance(Full charged at 25°C:)	1.8 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. 66.0A; Recom. 33.0A
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 (16.5A to 5.25V)	330.0Ah
3Hour Rate (87.7A to 5.10V)	263.1Ah
1Hour Rate (203A to 4.80V)	203.0Ah

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.

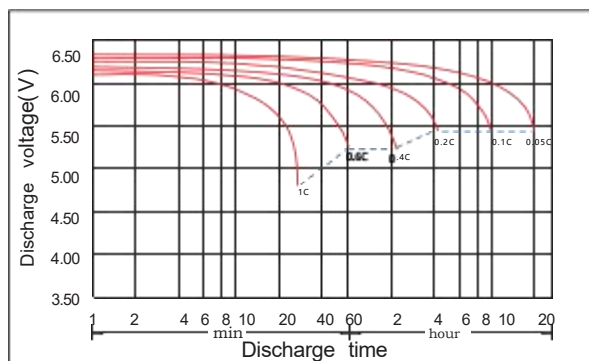


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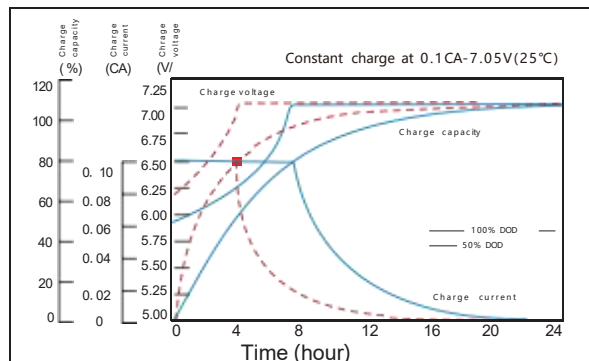
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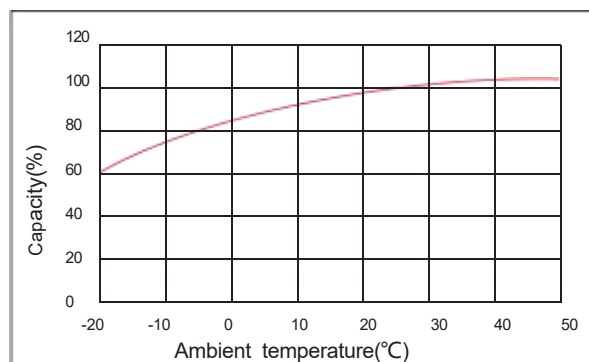
Discharge characteristic



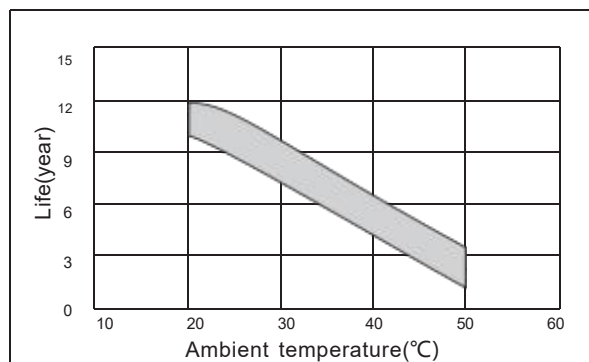
Charging characteristic



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	275	256	203	137	126	90.1	65.3	60.5	48.3	39.8	33.5	17.2
1.65V	301	271	253	202	135	124	89.3	64.6	60	47.9	39.4	33.2	17
1.70V	289	260	250	200	134	122	87.7	64	59.4	47.4	39.1	32.8	16.7
1.75V	266	253	248	198	133	121	86.9	63.5	58.8	47	38.8	32.6	16.5
1.80V	238	235	230	192	131	118	86.1	62.9	57.1	46.4	38.5	32.2	16.3
1.85V	212	201	188	179	127	113	81.3	61	54.2	45.1	36.9	31.3	15.9

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	499	474	352	265	224	157	126	107	92.2	70.4	62.9	35
1.65V	512	492	468	346	261	220	155	124	105	90.6	69.1	61.8	34.3
1.70V	491	471	462	339	256	216	152	121	103	88.8	67.9	60.6	33.6
1.75V	452	434	419	332	251	211	149	119	101	87.2	66.6	59.5	33
1.80V	404	388	356	320	241	204	143	114	97.4	83.9	64	57.2	31.7
1.85V	363	348	328	303	230	195	134	109	91.9	79.9	60.8	54.5	30.3