



Electric Vehicle battery expert

3-EVF-225

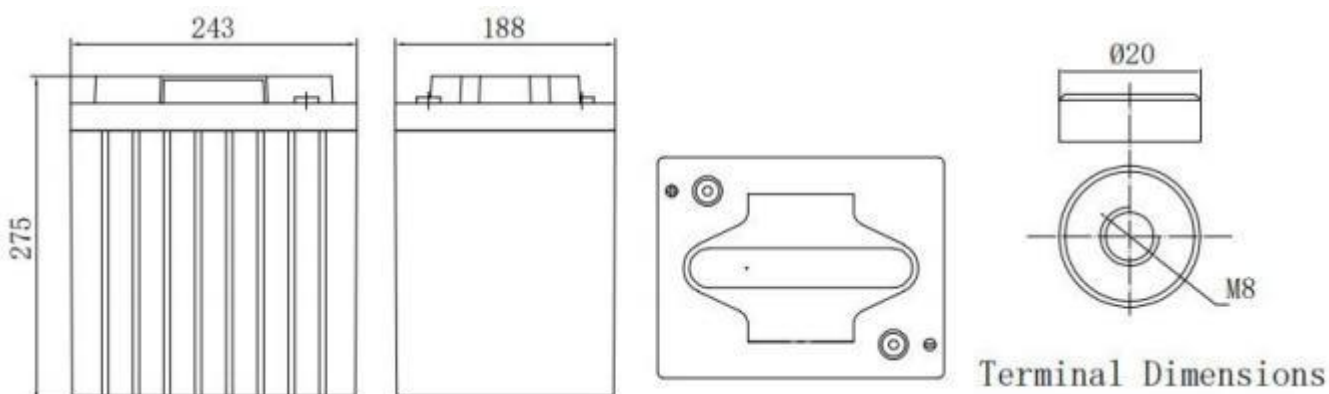
General Features

- ▶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)

Unit: mm



Specification	
Nominal Voltage	6V
Nominal Capacity	225Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx31.7kg (69.9lbs)
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.52A;Recom.31.2A
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
- ▶Motive Power Applications

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



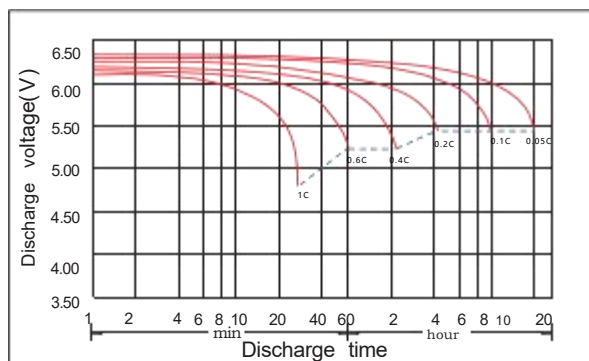
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



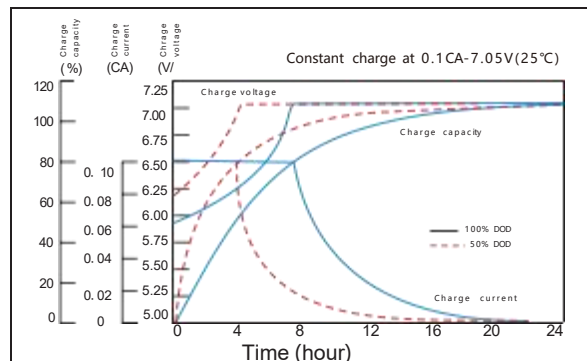
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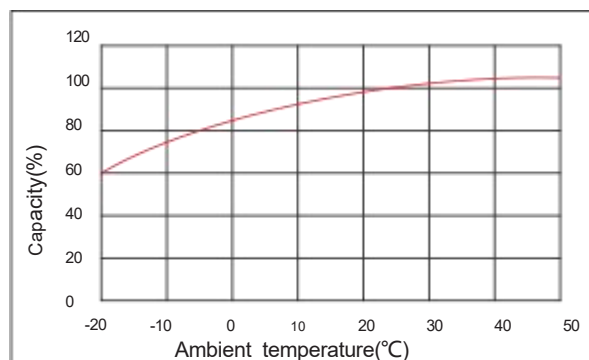
Discharge characteristic



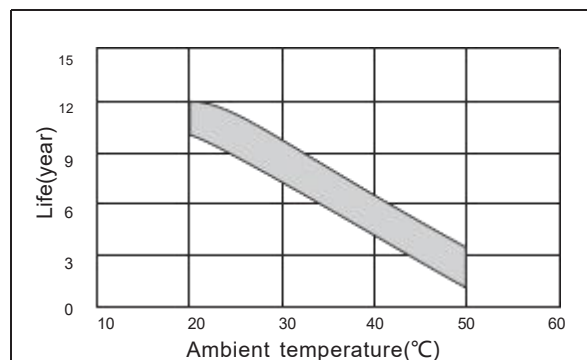
Charging characteristic



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	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	306	306	306	225	175	139	93.3	85.6	61.5	44.5	41.3	32.9	27.1	22.1	11.74
1.65V	301	301	301	221	172	138	92.2	84.5	60.9	44.1	40.9	32.7	26.9	21.8	11.58
1.70V	289	289	289	217	170	137	91.1	83.4	59.8	43.6	40.5	32.3	26.7	21.5	11.41
1.75V	266	266	266	216	169	135	90.5	82.3	59.3	43.3	40.1	32.0	26.5	21.2	11.25
1.80V	238	238	238	206	162	131	89.5	80.7	58.7	42.9	38.9	31.6	26.2	20.8	11.09
1.85V	212	212	212	188	149	122	86.7	76.8	55.4	41.6	37.0	30.7	25.2	20.3	10.81

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

FV/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	520	520	520	405	323	265	181	166	119	86.3	80.1	64.2	52.8	44.5	23.0
1.65V	512	512	512	398	319	263	179	164	118	85.5	79.4	63.7	52.4	44.2	22.7
1.70V	491	491	491	391	315	261	177	162	116	84.6	78.5	62.7	52.1	43.7	22.4
1.75V	452	452	452	388	313	258	176	160	115	83.9	77.6	62.2	51.7	43.3	22.0
1.80V	404	404	404	371	301	251	174	157	114	83.1	75.5	61.3	51.1	42.8	21.7
1.85V	363	363	363	341	278	234	169	150	108	81.1	72.1	59.9	49.3	41.8	21.3