



Electric vehicle high temperature battery

4-EVFG-170



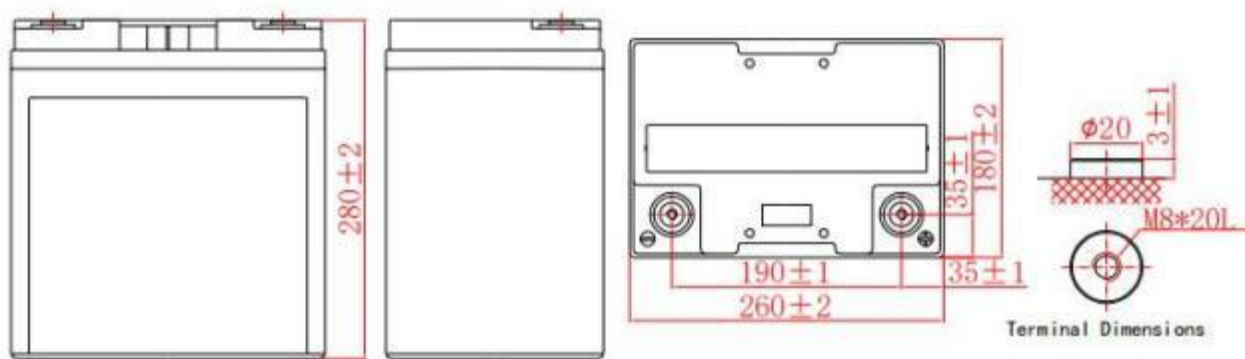
General Features

- 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
- Strong high and low temperature performance
- Low self-discharge rate



Dimension:260(L)×180(W) ×280(H)×280(TH)/(±3)

Unit: mm



Specification	
Nominal Voltage	8V
Nominal Capacity	170Ah @3hour-rate to 10.5V @25℃
Design life	5 years
Terminal	M8
Approx. Weight	Approx. 36.8kg±3% (81.13lbs±3%)
Container Material	ABS (UL94 V-0)
Self discharge	3% of capacity declined per month at 25℃
Rated Capacity	
20Hour Rate (10.0A to 10.5V)	200.0Ah
5Hour Rate (36.0A to 10.5V)	180.0Ah
3Hour Rate (56.7A to 10.5V)	170.0Ah
Operating Temperature	
Discharge:	-20 ~60℃(-4~ 140°F)
Charge :	-20 ~60℃(-4~ 140°F)
Storage:	-20 ~50℃(-4~ 122°F)
Charge Method(25 °C)	
Max charge current	25.5A
Float Use:	9.00-9.20V@25
Cycle Use :	9.60-10.0V@25

Standards

Executive standard :GB/T32620-2016

Applications

- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

Attain Certificate



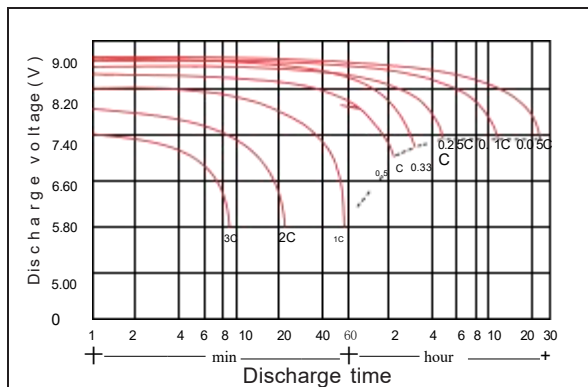
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



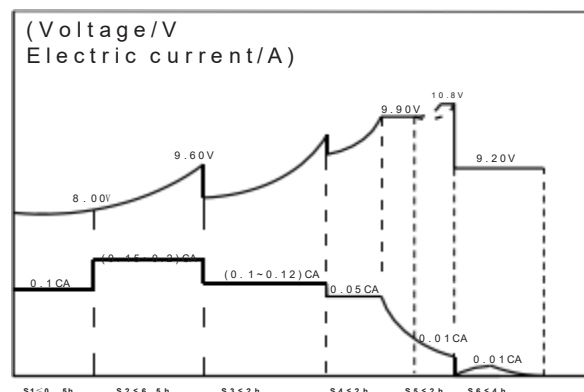
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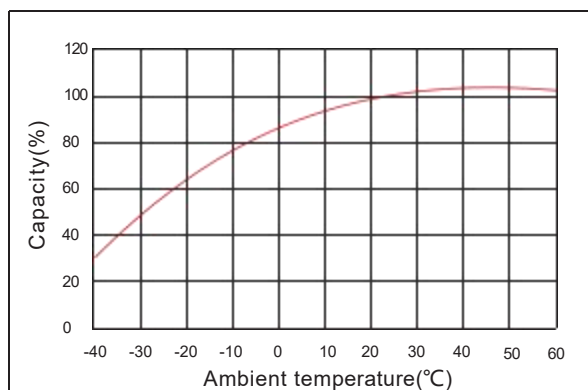
Discharge characteristic



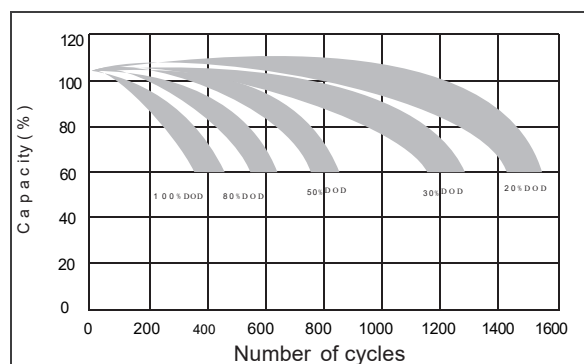
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	256	151	80.3	58.8	37.1	23.2	19.6	10.5
1.65V	251	150	79.8	58.3	36.9	23.0	19.4	10.3
1.70V	246	149	79.2	57.4	36.4	22.8	19.2	10.2
1.75V	244	147	78.0	56.7	36.0	22.6	19.0	10.0
1.80V	233	143	76.6	56.5	35.1	22.6	18.8	9.6
1.85V	213	133	72.7	53.2	33.4	21.5	18.2	9.4

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

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	462	287	152	112	70.5	45.1	37.6	21.3
1.65V	457	285	151	111	70.0	44.7	37.2	21.2
1.70V	457	282	151	110	69.6	44.5	36.8	21.1
1.75V	455	280	150	109	69.1	44.3	36.6	21.0
1.80V	443	277	149	109	68.3	43.9	36.2	20.9
1.85V	406	257	143	104	65.2	42.4	35.5	20.7