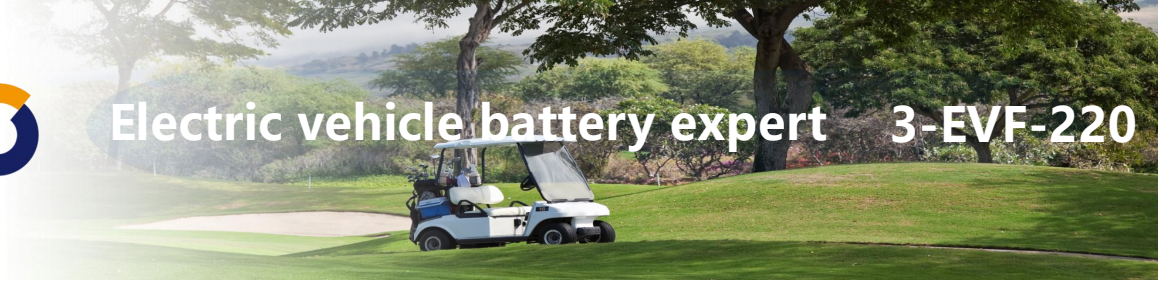


Electric vehicle battery expert 3-EVF-220

General Features

▶High corrosion resistant performance: Pb-Ca multi-alloy grid

▶High energy density and power density

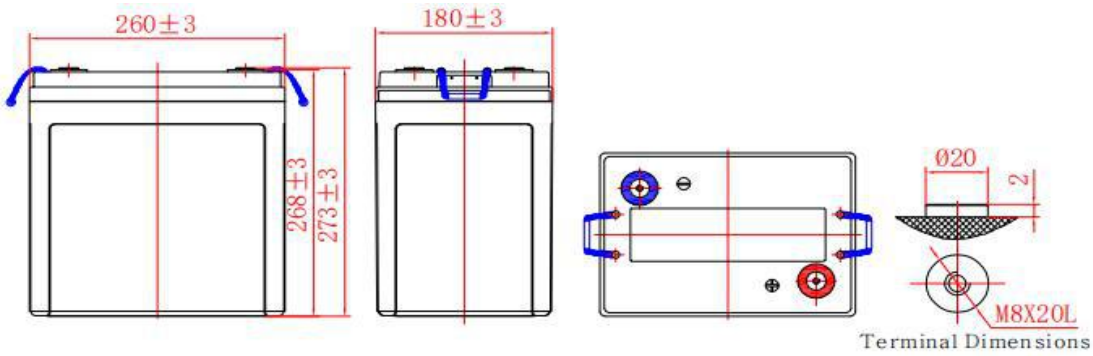
▶Optimized capability of instant high-current discharging

▶Excellent charge acceptance ability

▶Strong high and low temperature performance

▶Low self-discharge rate

Dimension:260(L)×180(W) ×268(H)×273(TH) **Unit: mm**



Terminal Dimensions

Specification	
Nominal Voltage	6V
Nominal Capacity	220Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx35.0kg (77.2lbs)
Container Material	ABS
Self discharge	3% of capacity declined per month at 25°C
Rated Capacity	
10Hour Rate (25.0A to 10.5V)	250.0Ah
3Hour Rate (73.3A to 10.5V)	220.0Ah
1Hour Rate (187A to 10.5V)	187.0Ah
Operating Temperature	
Discharge:	-20 ~50℃(-4~ 122°F)
Charge :	-20 ~50℃(-4~ 122°F)
Storage:	-20 ~50℃(-4~ 122°F)
Charge Method(25 ℃)	
Max charge current	33.0A
Float Use:	6.75-6.90V@25
Cycle Use :	7.20-7.50V@25

Standards

Executive standard :GB/T32620-2016

Applications

▶Electric vehicle

▶Electric wheelchair

▶Electric scooter

▶Electric play car for children

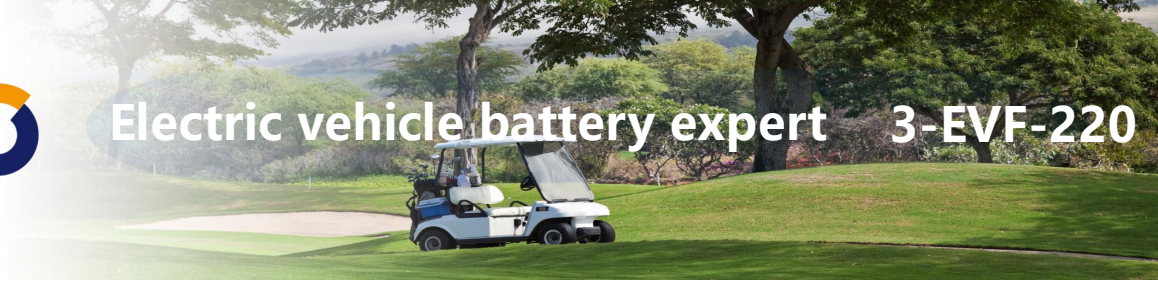
▶Garbage truck

▶Patrol car

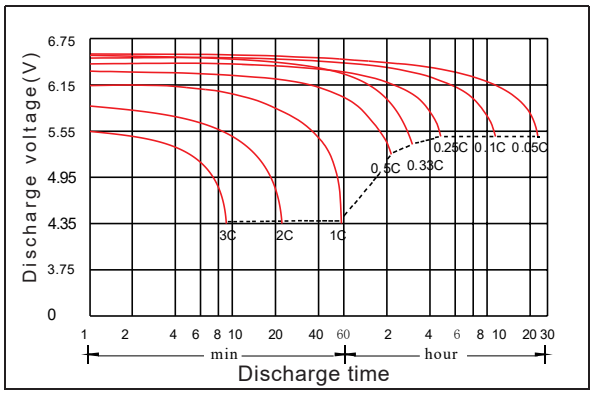
Attain Certificate

ISO 9001 CQM · ISO 14001 CQM · OHSAS 18001 CQM · RoHS

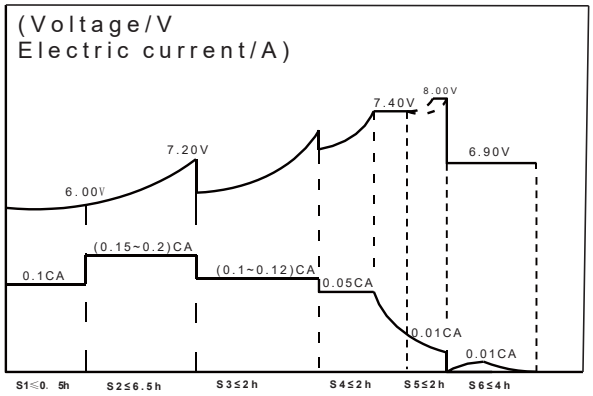
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



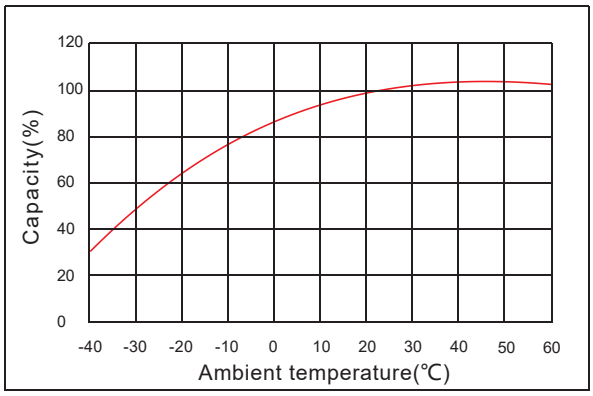
Discharge characteristic



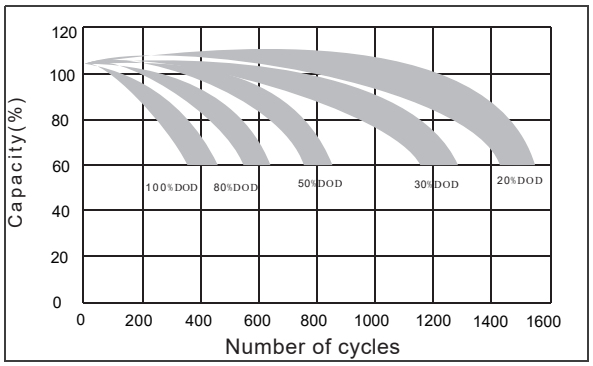
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



Constant Current Discharge Characteristics Unit:A (25℃,77℉)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	325	192	102	76.0	47.4	30.5	25.7	13.2
1.65V	319	191	101	75.4	47.1	30.3	25.5	13.1
1.70V	313	190	100	74.2	46.6	30.0	25.2	13.1
1.75V	310	187	99.0	73.3	46.0	29.7	25.0	13.0
1.80V	297	182	97.2	73.0	44.9	29.7	24.8	12.9
1.85V	271	169	92.3	68.8	42.6	28.3	24.0	12.7

Constant Power Discharge Characteristics Unit: W/cell (25℃ ,77℉)

FV/Time	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	588	365	192	145	90.0	59.4	49.5	26.1
1.65V	581	362	192	143	89.5	58.9	49.0	26.0
1.70V	581	359	191	142	88.9	58.6	48.4	25.9
1.75V	578	356	190	141	88.4	58.3	48.1	25.8
1.80V	563	352	190	141	87.2	57.8	47.6	25.6
1.85V	516	327	181	134	83.3	55.8	46.8	25.4

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