TECHNICAL DATA SHEET

DLC6-200EV



Applications



Applications

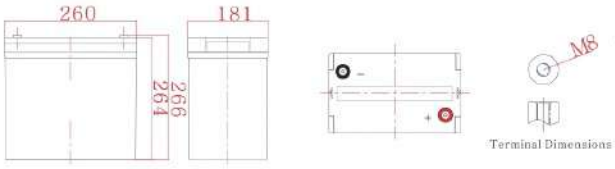
- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

General Features

- Lead-carbon composite negative plate, both capacitance and battery characteristics
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Optimized capability of instant high-current discharging
- Strong high and low temperature performance Precision
- sealing technology

Specification

Nominal Voltage	6V		
Nominal Capacity	200Ah		
Design life	10 years		
Terminal	M8		
Approx. Weight	Approx 30.3kg (66.8lbs)		
Container Material	ABS		
Rated Capacity	205 Ah	20Hour Rate	(10.25 A to 5.25 V)
	192.5Ah	10Hour Rate	(19.25 A to 5.25 V)
	173.5Ah	5Hour Rate	(34.7 A to 5.25 V)
Internal resistance	Full charged at 25°C:		2.0 mΩ
Max. Discharge Current	2050A(5S)		
Operating Temperature	Discharge: -20 ~50℃(-4~ 122°F) Charge: -20 ~50℃(-4~ 122°F) Storage: -20 ~50℃(-4~ 122°F)		
Charge current:	Max.40.0 A		
Charge Method (25 °C)	Float Charge: 6.75 -6.90 V,recom.6.90 V(-9mV/ °C) Cycle charge:7.14 -7.20 V,recom.7.20 V(-15mV/ °C)		
Self discharge	3% of capacity declined per month at 25°C		



Terminal Dimensions

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	678	364	221.6	128.3	73.6	53.4	35.9	23.54	19.82	10.41
1.65V	658	353	217.9	127.6	73.2	52.9	35.5	23.35	19.63	10.35
1.70V	631	346	214.1	126.6	72.7	52.1	35.1	23.16	19.44	10.29
1.75V	581	334.4	212.2	124.8	71.5	51.5	34.7	22.97	19.25	10.25
1.80V	520	311.8	203.0	121.6	70.2	51.2	33.8	22.78	18.87	10.20
1.85V	464	278.0	185.2	112.6	66.7	48.2	32.1	21.84	18.49	10.02

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	1137	642	401	242.6	139.1	101.6	68.0	45.8	38.1	20.58
1.65V	1094	631	397	240.8	138.8	100.3	67.6	45.4	37.7	20.49
1.70V	1088	623	397	238.9	138.2	99.7	67.1	45.2	37.4	20.39
1.75V	1015	619	395	237.0	137.5	99.2	66.7	44.8	37.0	20.30
1.80V	932	585	386	235.2	137.1	98.8	65.9	44.4	36.6	20.20
1.85V	832	523	354	218.3	130.9	93.9	62.9	42.9	36.0	20.01

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.

Charger recommendations

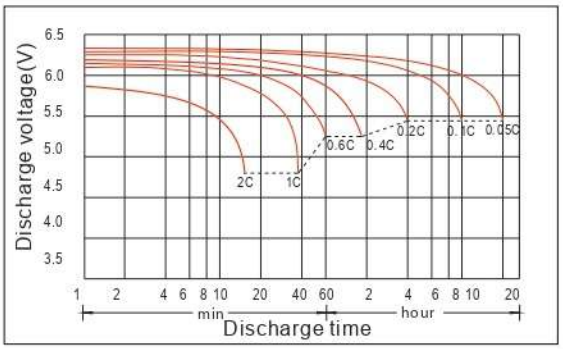
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

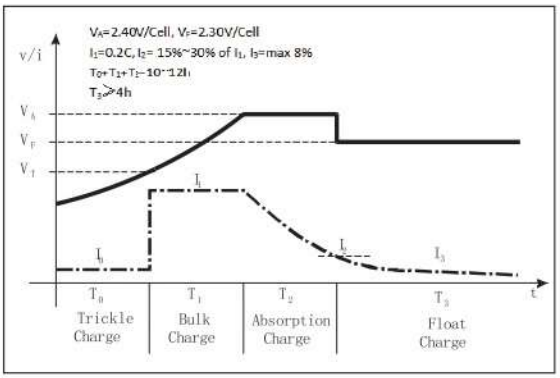
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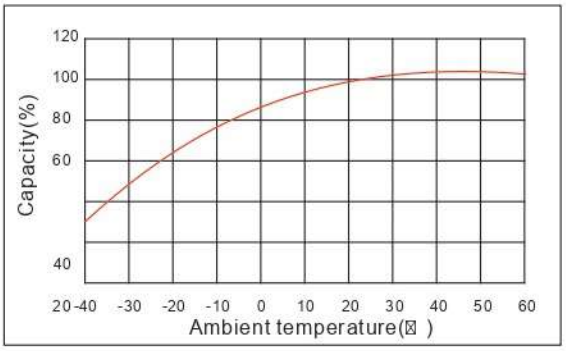
Discharge characteristic



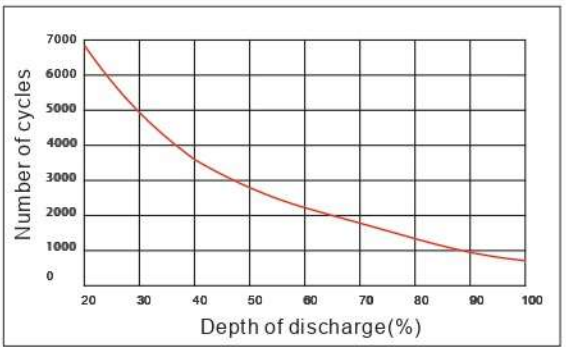
Charging characteristic



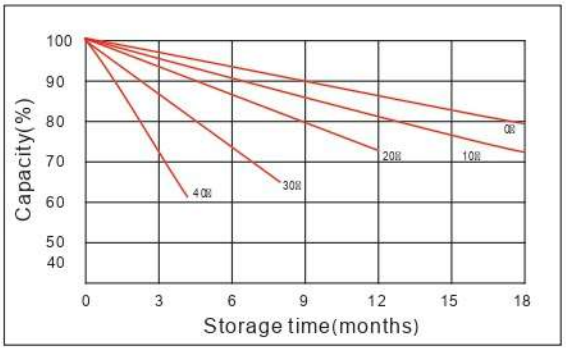
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

