TECHNICAL DATA SHEET

DLC6-330EV



Applications

CYCLIC STATIONARY SOLAR MARINE

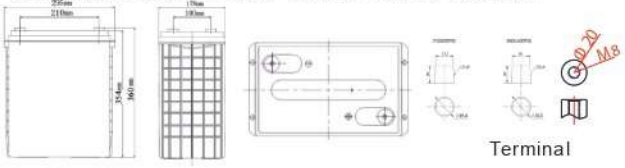
General Features

- 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

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

Complies to:
IEC 60896-21/22
IEC 61427-1

Dimension: 295(L)×178(W)×354(H)×360(TH) Unit: mm



Terminal

Applications

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

Specification

Nominal Voltage	6V	
Nominal Capacity	330Ah	
Design life	15 years	
Terminal	M8	
Approx. Weight	Approx46.9kg (103.4lbs)	
Container Material	ABS	
Rated Capacity	330Ah	20Hour Rate (16.5A to 5.40V)
	297Ah	10Hour Rate (29.7A to 5.40V)
	257.5Ah	5Hour Rate (51.5A to 5.40V)
	177Ah	1Hour Rate (177A to 5.25V)
Internal resistance	Full charged at 25°C:	2.20 mΩ
Max. Discharge Current	3200A(5S)	
Operating Temperature	Discharge:	-20 ~50℃(-4~ 122°F)
	Charge:	-20 ~50℃(-4~ 122°F)
	Storage:	-20 ~50℃(-4~ 122°F)
Charge Method (25 °C)	Charge current:	Max.66.0 A
	Float Charge:	6.75-6.90V,recom.6.75V(-9mV/ °C)
	Cycle charge:	7.14-7.20V,recom.7.20V(-15mV/ °C)
Self discharge	3% of capacity declined per month at 25°C	

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Constant Current Discharge Characteristics Unit: A (25℃, 77℉)											
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	433	276	204	187	119	83.3	56.7	37.4	32.7	17.8	3.96
1.65V	425	271	200	184	116	81.8	55.5	36.7	32.0	17.5	3.88
1.70V	417	266	196	180	114	80.3	54.5	36.0	31.5	17.2	3.81
1.75V	410	261	193	177	112	78.8	53.5	35.3	30.9	16.8	3.73
1.80V	394	251	185	170	108	75.7	51.5	34.0	29.7	16.5	3.66

Constant Power Discharge Characteristics Unit: W/cell (25℃, 77℉)											
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	834	531	392	360	228	160	109	72.0	62.9	34.3	7.62
1.65V	819	521	385	353	224	158	107	70.7	61.7	33.7	7.47
1.70V	804	512	378	347	220	154	105	69.3	60.6	33.0	7.33
1.75V	788	502	371	340	216	152	103	68.0	59.4	32.3	7.19
1.80V	758	483	356	327	208	146	99.1	65.5	57.3	31.8	7.05

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

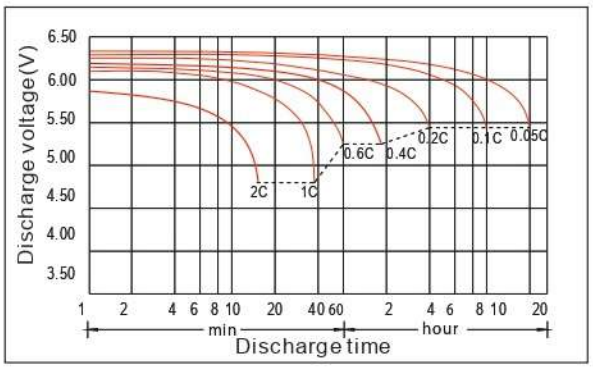
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

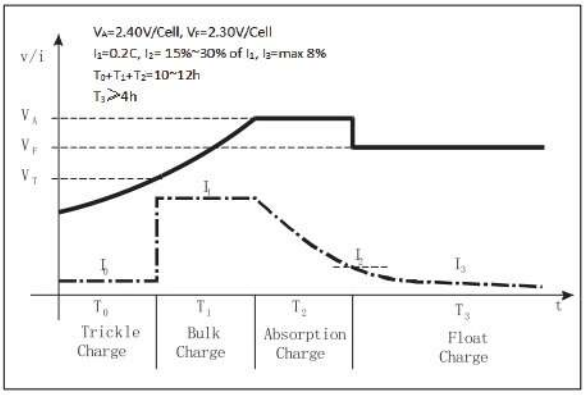
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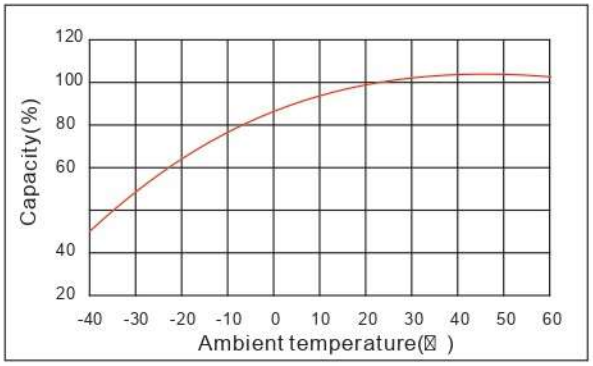
Discharge characteristic



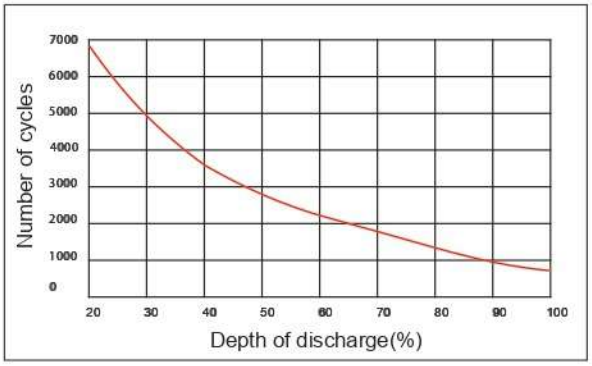
Charging characteristic



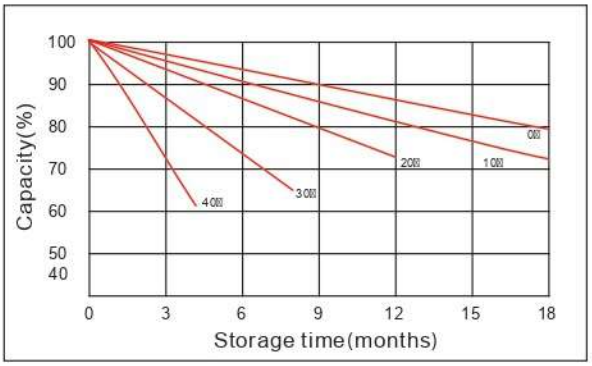
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

