

TECHNICAL DATA SHEET

DLC6-390EV



Applications



CYCLIC



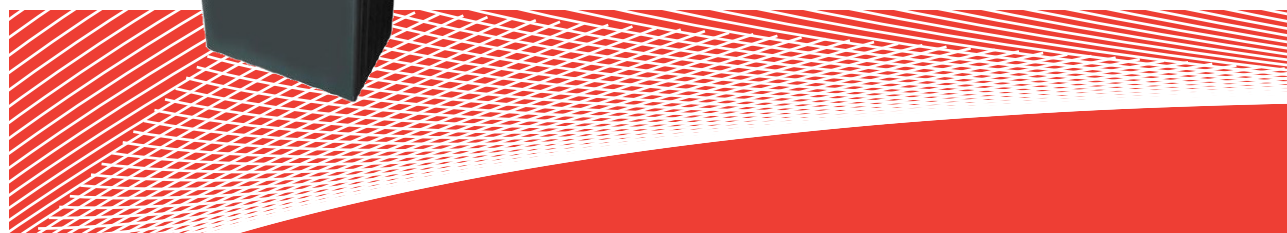
STATIONARY



SOLAR



MARINE



Applications

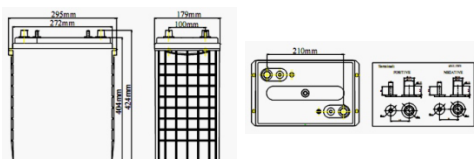
- › Solar / wind energy and other new energy storage
- › Hybrid vehicles, electric bicycles and other new energy vehicles
- › Other backup or cycle purposes

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



Dimension: 295(L)×179(W)×404(H)×424(TH) Unit: mm



This battery is delivered with M8 terminals

Specification

Nominal Voltage	6V
Nominal Capacity	396Ah
Design life	15 years
Terminal	M8
Approx. Weight	Approx 55.6kg (122.6lbs)
Container Material	ABS
Rated Capacity	396Ah 20Hour Rate
	363Ah 10Hour Rate
	314Ah 5Hour Rate
	208Ah 1Hour Rate
Internal resistance	Full charged at 25°C: 2.00 mΩ
Max. Discharge Current	3800A(5S)
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. 50.0A ; Recom.38.0A
	Float Charge: 6.75-6.90V, recom.6.75V(-9mV/ °C)
	Equalize charge: 6.90-7.05V, recom.7.05V(-12mV/ °C)
	Cycle charge: 7.20-7.50V, recom.7.35V(-15mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

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

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	499	318	234	215	137	95.9	65.3	43.0	37.6	20.5	4.56
1.65V	490	312	230	211	134	94.2	64.0	42.2	36.9	20.1	4.47
1.70V	481	306	226	208	132	92.4	62.8	41.5	36.3	19.8	4.39
1.75V	472	300	222	203	129	90.7	61.6	40.7	35.5	19.4	4.29
1.80V	453	289	213	196	124	87.2	59.3	39.1	34.2	19.0	4.22

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

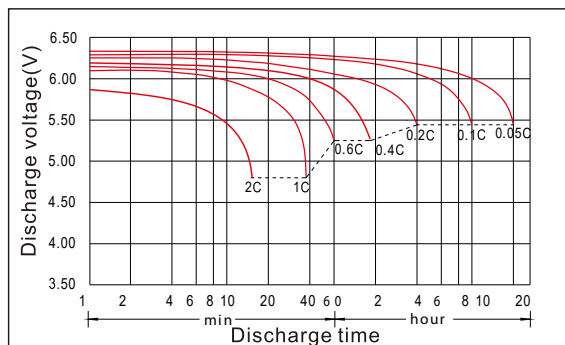
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	960	611	451	415	263	185	126	82.9	72.4	39.5	8.78
1.65V	943	600	443	407	258	181	123	81.4	71.1	38.8	8.61
1.70V	925	589	435	399	253	178	121	79.8	69.7	38.0	8.44
1.75V	908	578	427	392	249	175	119	78.3	68.4	37.2	8.28
1.80V	873	556	410	377	239	168	114	75.4	65.9	36.7	8.11

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.

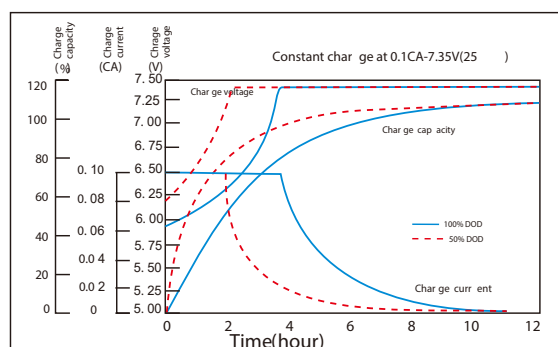
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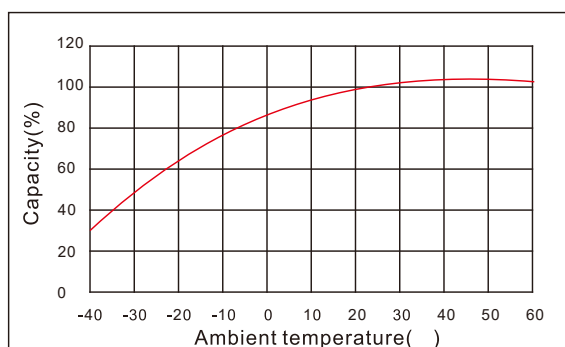
Discharge characteristic



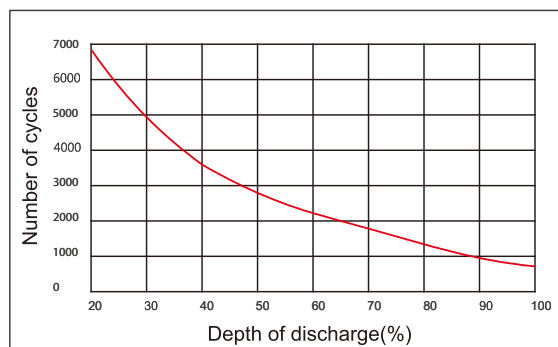
Charging characteristic



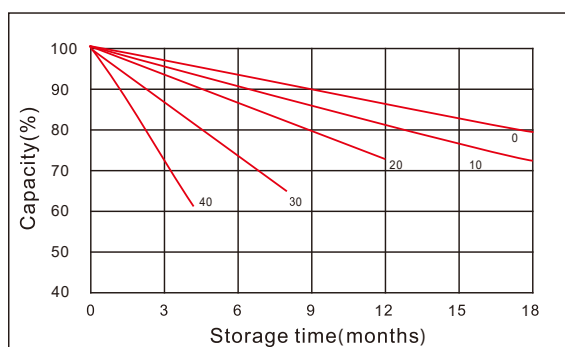
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on float life

