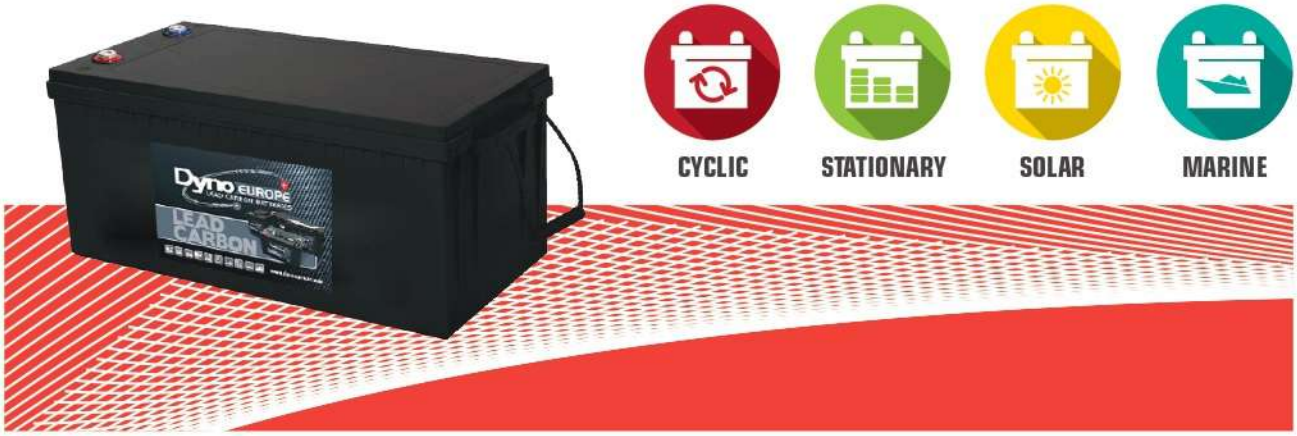
TECHNICAL DATA SHEET

DLC12-200EV



Applications

CYCLIC STATIONARY SOLAR MARINE

Applications

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

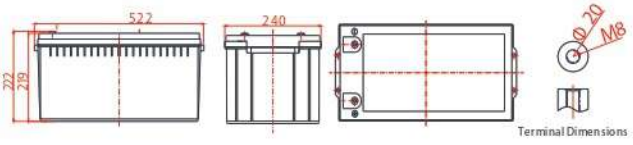
General Features

- 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

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

UL CE FC PSE

Dimension:522(L)×240(W) ×219(H)×222(TH) Unit: mm



Specification

Nominal Voltage	12V	
Nominal Capacity	200Ah	
Design life	15 years	
Terminal	M8	
Approx. Weight	Approx 59.0kg (130lbs)	
Container Material	ABS	
Rated Capacity	216Ah	20Hour Rate (10.8 A to 10.5V)
	202Ah	10Hour Rate (20.2 A to 10.5V)
	182.5Ah	5Hour Rate (36.5 A to 10.5V)
Internal resistance	Full charged at 25°C:	2.9 mΩ
Max. Discharge Current	2400A(5S)	
Operating Temperature	Discharge:	-40 ~60℃(-40~ 140°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:13.5-13.8V,recom.13.8V(-18mV/ °C)	
	Cycle charge:14.28-14.4V,recom.14.4V(-30mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

TECHNICAL DATA SHEET

DLC12-200EV

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

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	705	379	230	135	77.2	56.1	37.6	24.7	20.8	10.9
1.65V	683	367	226	134	76.8	55.5	37.2	24.5	20.6	10.9
1.70V	656	359	222	133	76.2	54.7	36.8	24.3	20.4	10.8
1.75V	603	348	221	131	75.1	54.1	36.5	24.1	20.2	10.8
1.80V	541	324	211	128	73.7	53.7	35.5	23.9	20.0	10.7
1.85V	482	289	192	118	70.0	50.6	33.7	22.9	19.4	10.5

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	1181	667	417	255	146	107	71.3	48.0	40.0	21.6
1.65V	1136	655	413	253	146	105	71.0	47.6	39.6	21.5
1.70V	1131	647	413	251	145	105	70.4	47.4	39.2	21.4
1.75V	1054	643	411	249	144	104	70.0	47.0	38.8	21.3
1.80V	968	608	401	247	144	104	69.2	46.6	38.4	21.2
1.85V	865	544	368	229	137	98.6	66.1	45.1	37.8	21.0

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

Charger recommendations

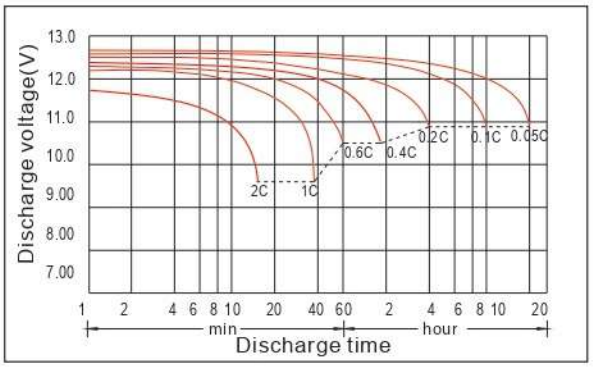
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

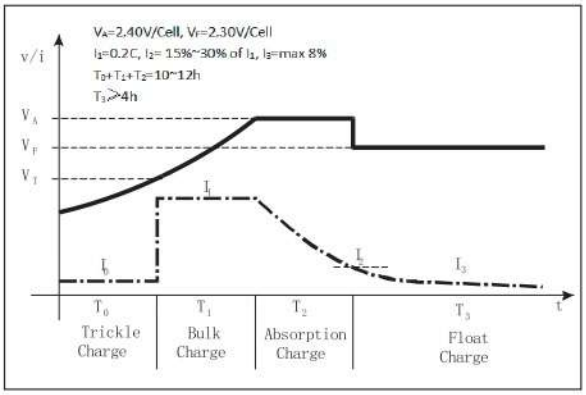
TECHNICAL DATA SHEET

DLC12-200EV

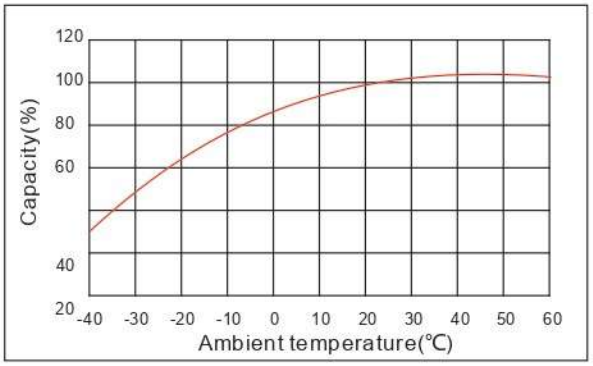
Discharge characteristic



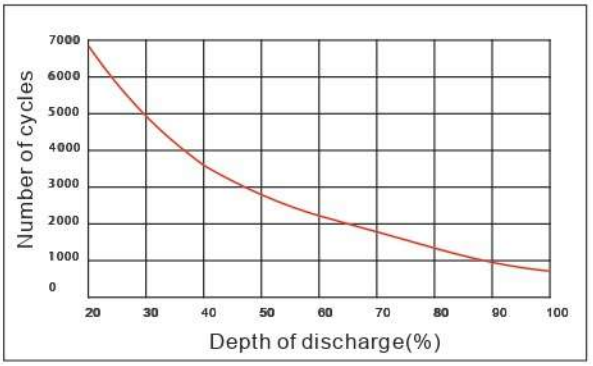
Charging characteristic



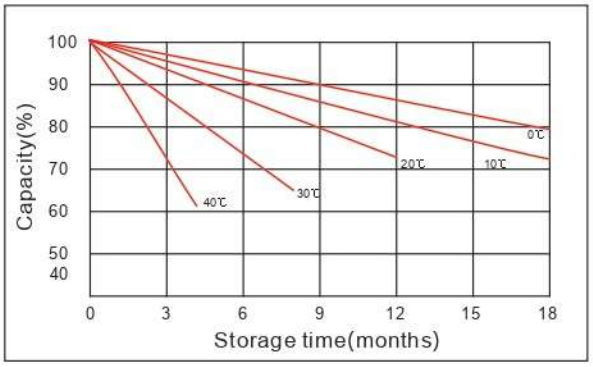
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

