

TECHNICAL DATA SHEET

DGY6-200EV

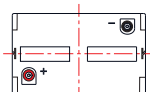
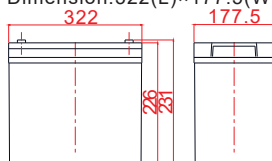


General Features

- Nanosilica colloidal electrolyte and high tin positive plate alloy design to enhance battery performance
- Relatively rich electrolyte, high temperature and low temperature performance is superior
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Precision sealing technology
- Long life



Dimension: 322(L) × 177.5(W) × 226(H) × 231(TH) Unit: mm



Terminal Dimensions

Applications

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

Specification

Nominal Voltage	6V
Nominal Capacity	248Ah
Design life	5 years
Terminal	M8
Approx. Weight	Approx 34.0kg (75.0lbs)
Container Material	ABS

248Ah 20Hour Rate (12.4 A to 5.25V)

Rated Capacity **232Ah** 10Hour Rate (23.2 A to 5.25V)

220Ah 5Hour Rate (44.0 A to 5.25V)

Operating Temperature	Discharge:	-20 ~50°C (-4 ~ 122°F)
	Charge:	-20 ~50°C (-4 ~ 122°F)
	Storage:	-20 ~50°C (-4 ~ 122°F)

Charge current: 40.0A

Charge Method Float Charge: 6.85-6.90 V, recom. 6.90 V (-9mV/ °C)
(25 °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

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

F.V/Time	5Minin	15Minin	30Minin	1h	2h	3h	5h	8h	10h	20h
1.60V	851	457	278	163	93.2	69.1	45.4	29.1	23.9	12.6
1.65V	825	443	273	162	92.8	68.4	45.0	28.9	23.7	12.5
1.70V	792	434	269	160	92.1	67.4	44.5	28.6	23.5	12.4
1.75V	728	420	266	158	90.6	66.7	44.0	28.4	23.2	12.4
1.80V	653	391	255	154	89.0	66.2	42.8	28.2	23.0	12.3
1.85V	582	349	232	143	84.5	62.3	40.7	27.0	22.3	12.1

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

F.V/Time	5Minin	15Minin	30Minin	1h	2h	3h	5h	8h	10h	20h
1.60V	1427	805	503	307	176	131	86.1	56.6	46.0	24.8
1.65V	1372	791	498	305	176	130	85.7	56.1	45.5	24.7
1.70V	1365	782	498	303	175	129	85.0	55.9	45.1	24.6
1.75V	1273	777	496	300	174	128	84.5	55.4	44.6	24.5
1.80V	1169	735	484	298	174	128	83.5	55.0	44.2	24.4
1.85V	1044	657	444	277	166	122	79.8	53.1	43.5	24.2

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

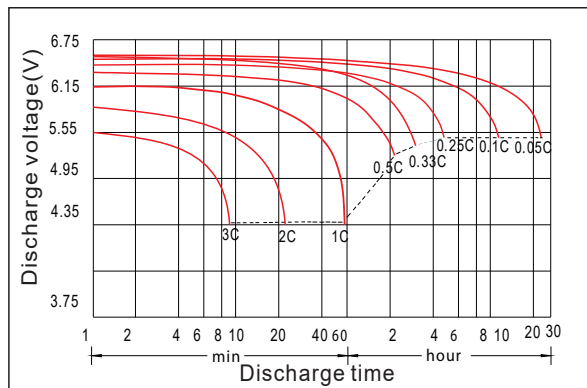
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

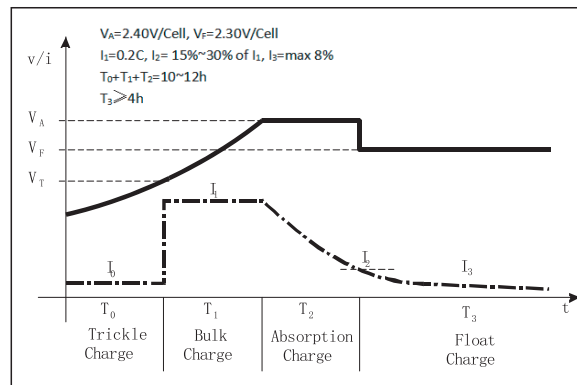
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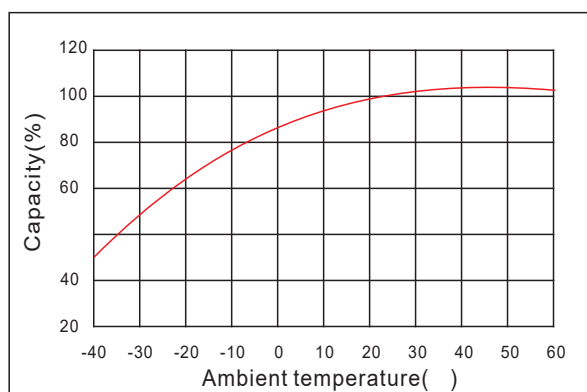
Discharge characteristic



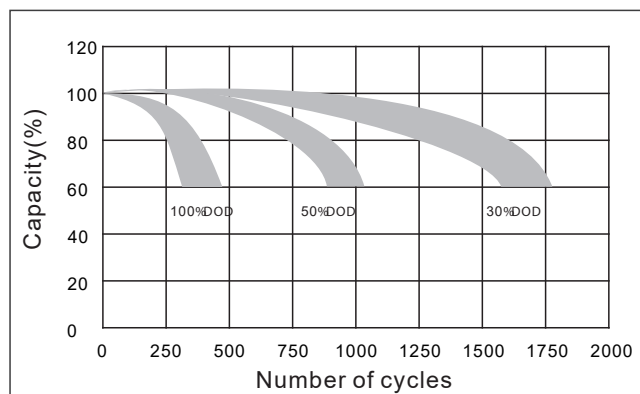
Charging characteristic



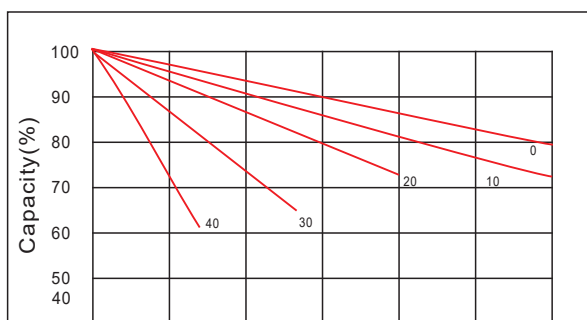
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

