

TECHNICAL DATA SHEET

DGY12-26EV

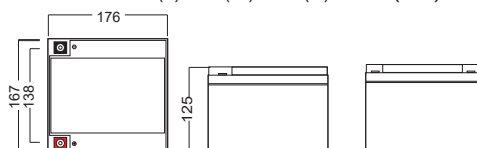


General Features

- 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: 166(L)×176(W) ×125(H) ×125(TH) Unit: mm



Terminal Dimensions

Applications

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

Specification

Nominal Voltage	12V
Nominal Capacity	26.0Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx 8 kg
Container Material	ABS
Rated Capacity	26.0Ah 20Hour Rate (1.30A to 10.5V)
	24.3Ah 10Hour Rate (2.43 A to 10.5V)
	22.1 Ah 5Hour Rate (4.43 A to 10.5 V)
Internal resistance	Full charged at 25°C: 15.0 mΩ
Max. Discharge Current	390A(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 current: Max.5.20 A	
Charge Method (25 °C)	Float Charge: 13.5-13.8V,recom.13.8V/ °C)
	Cycle charge:14.28-14.4 V,recom.14.4V(-30mV/ °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)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	48.7	31.9	16.8	9.63	7.03	4.79	3.16	2.56	1.38
1.65V	44.6	30.3	15.8	9.25	6.83	4.69	3.11	2.54	1.35
1.70V	41.6	29.4	15.3	9.07	6.70	4.64	3.06	2.48	1.32
1.75V	38.8	28.7	14.8	8.84	6.60	4.43	2.98	2.43	1.30
1.80V	36.1	27.7	14.2	8.61	6.24	4.26	2.90	2.38	1.25

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

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	89.1	53.9	30.8	18.0	13.3	9.05	5.96	4.96	2.72
1.65V	83.6	53.5	29.0	17.4	12.9	8.88	5.87	4.87	2.65
1.70V	79.9	53.3	28.1	17.0	12.7	8.62	5.81	4.83	2.63
1.75V	76.9	52.8	27.3	16.6	12.5	8.45	5.58	4.72	2.57
1.80V	73.6	52.4	26.9	16.5	12.2	8.24	5.39	4.62	2.56

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

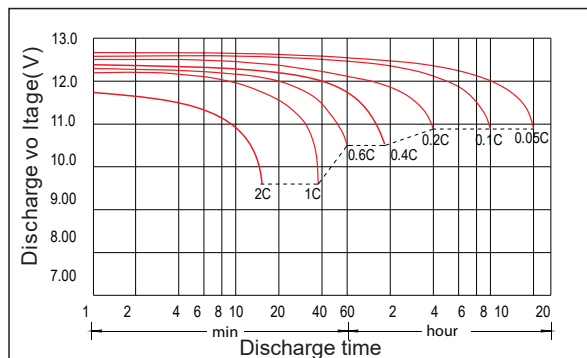
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

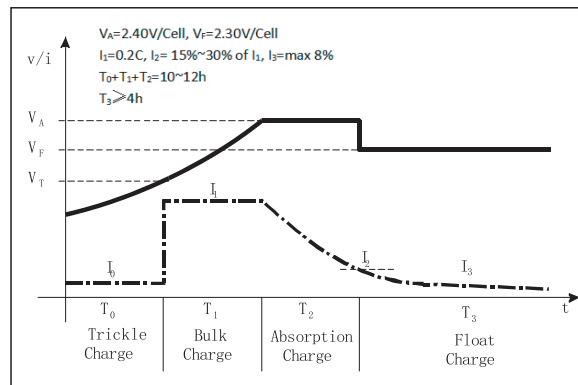
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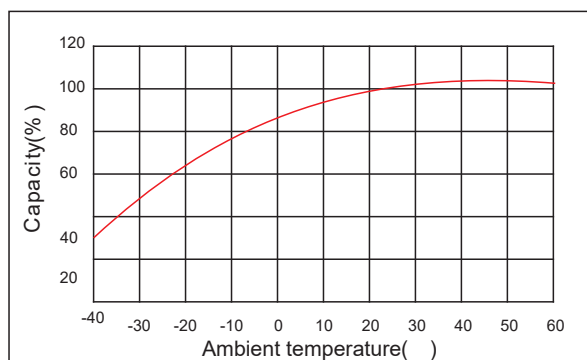
Discharge characteristic



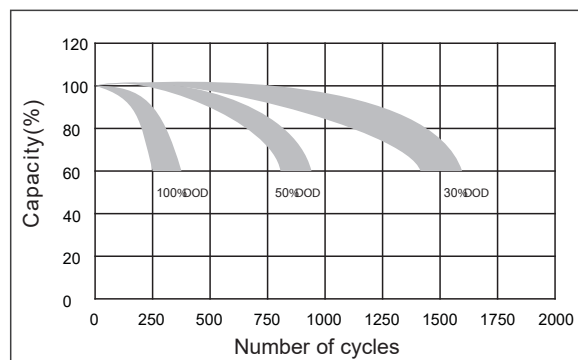
Charging characteristic



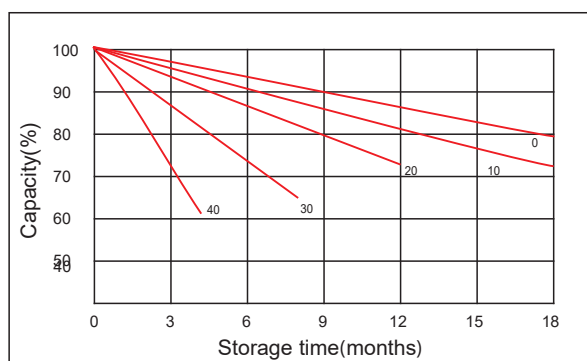
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

