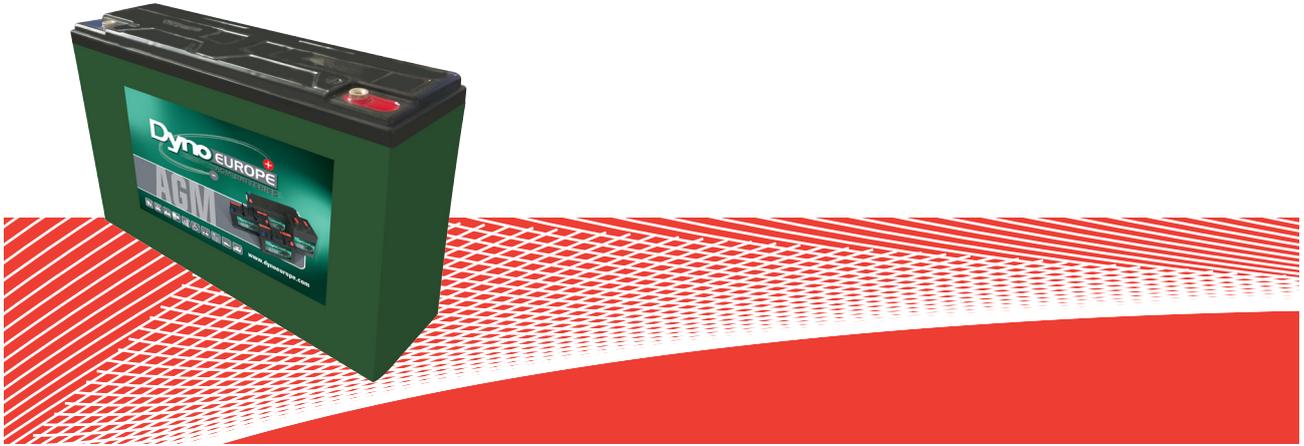


TECHNICAL DATA SHEET

DAB12-32EV



Applications

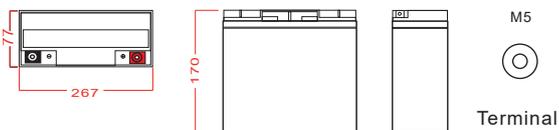
- > Electric vehicle
- > Electric wheelchair
- > Electric scooter
- > Electric play car for children
- > Garbage truck
- > Patrol car

General Features

- > High Corrosion Resistant Performance: Pb-Ca multi-alloy grid
- > High Energy Density and Power Density
- > Excellent Charge Acceptance Ability
- > Strong High and Low Temperature Performance
- > Optimized Capability of instant High-current Discharging
- > Low self-discharge rate



Dimension: 267(L)×77(W)×170(H)×170(TH) Unit: mm



Specification

Nominal Voltage	12V
Nominal Capacity	39.6Ah
Design life	5 years
Terminal	M5
Approx. Weight	Approx 9.2 kg (20.3lbs)
Container Material	ABS
Rated Capacity	39.6Ah 20Hour Rate (1.98A to 10.5V)
	37.2Ah 10Hour Rate (3.72A to 10.5V)
	35.2Ah 5Hour Rate (7.04A to 10.5V)
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:	6.4A
Charge Method (25 °C)	Float Charge: 13.5-13.8V, recom. 13.8V (-18mV/ °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)

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	136	73.1	44.5	26.0	14.9	11.0	7.25	4.66	3.83	2.01
1.65V	132	70.9	43.7	25.9	14.8	10.9	7.20	4.62	3.79	2.00
1.70V	127	69.3	43.0	25.7	14.7	10.8	7.09	4.58	3.75	1.99
1.75V	117	67.2	42.6	25.3	14.5	10.7	7.04	4.54	3.72	1.98
1.80V	105	62.4	40.7	24.6	14.2	10.6	6.88	4.51	3.68	1.97
1.85V	93.3	56.0	37.2	22.8	13.5	9.97	6.51	4.33	3.57	1.94

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

F.V/Time	5M	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	228	129	80.5	49.2	28.2	21.0	13.8	9.07	7.36	3.97
1.65V	220	126	80.0	48.8	28.2	20.7	13.7	8.96	7.31	3.96
1.70V	219	125	80.0	48.4	28.0	20.6	13.6	8.96	7.20	3.94
1.75V	204	124	79.5	48.1	27.9	20.5	13.5	8.85	7.15	3.92
1.80V	187	117	77.3	47.7	27.8	20.4	13.4	8.80	7.04	3.90
1.85V	167	105	70.9	44.3	26.6	19.5	12.7	8.48	6.93	3.87

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

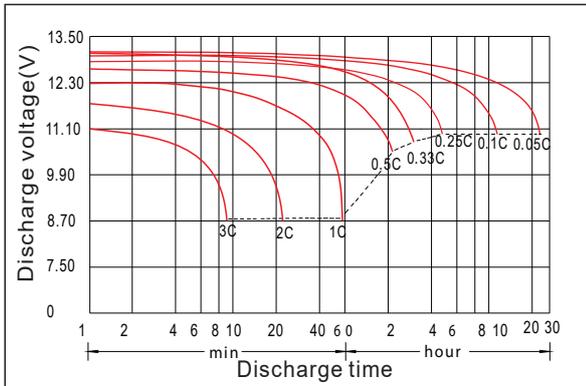
Type of charger	Zivan	AQHF WP	AQHF24-30FC G2
Matching profile	AGM =BA1+CU2	AMG SLA	AGM

Max. charging current 2.4Vpc

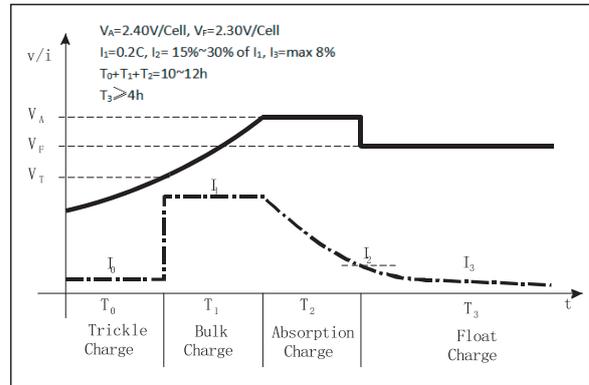
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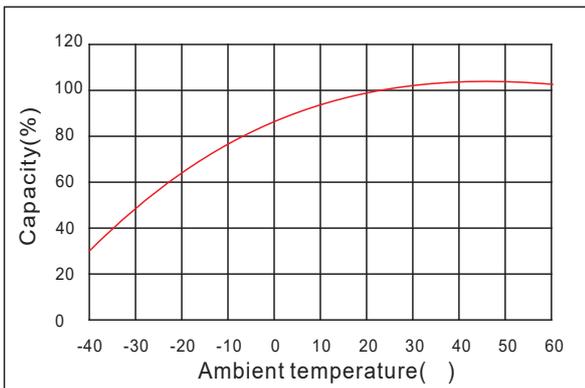
Discharge characteristic



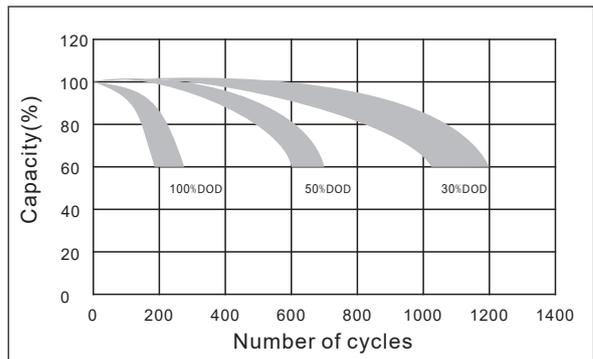
Charging characteristic



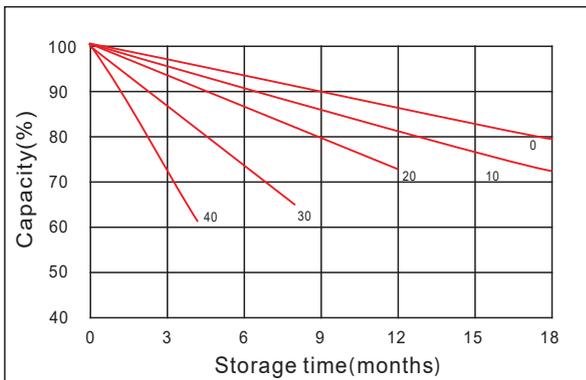
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

