AGM Series
Dual Purpose Battery

6-AGM-330

12Volt

270ah @10hr
330ah @20hr

VRLA AGM / Non Spilable / Maintenance Free

AEG MOTIVE ENERGY

SPECIFICATION

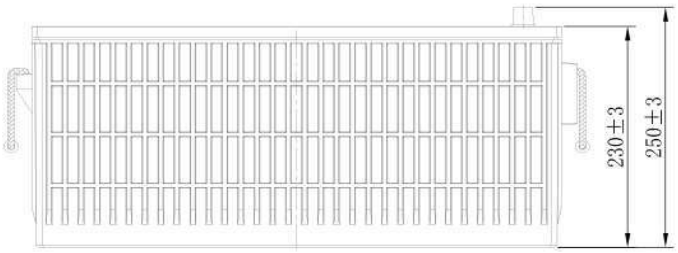
Nominal Voltage				12V (6 cells)
Nominal Capacity				
20-HR	10-HR	5-HR	3-HR	1-HR
330Ah	270Ah	240Ah	220Ah	180Ah
Cranking Amps CCA/SAE				1100A
Approximate Net Weight				87,5 kgr (192.90 lbs)
Internal Resistance (approx.)				< 2 milliohms
CHARGER VOLTAGE SETTINGS (@ 77°F/25°C)				
System Voltage	12	24	36	48
Max.Charging Current (A)		0.2 x C20		
Equilize Charging Voltage	14.5	29	43.5	58
Standby Charging Voltage	13.7	27.4	41.1	54.8
Terminal				M8-Φ16
Operating Temp. Range				-25°C to 55°C (-13°F to 131°F)
Recom. Operating temp.				15°C to 25°C (59°F to 77°F)
Self Discharge				
1 month				97%
3 months				91%
6 months				83%
AEG AGM series's self discharge is <3%/month at 20°C (68°F)				
The Storage period may up to 6 months at 20°C (68°F) and then a freshening charge is required				
Case and cover				BLACK PP
				UL94-VD (optional)

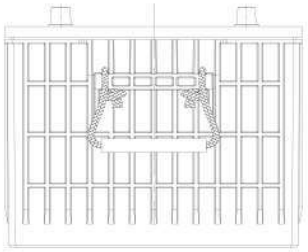


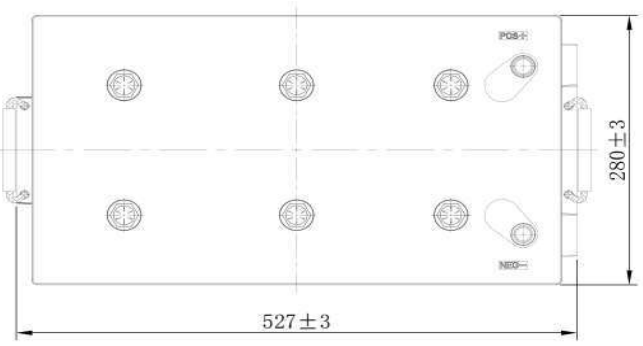
The AGM Dual purpose series is designed to provide superior deep cycle performance in commercial vehicles and deep cycle applications. The vibration resistance is very high reaching EN V4 level having also excelent starting ability.

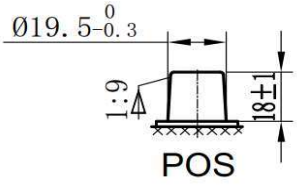
APPLICATIONS

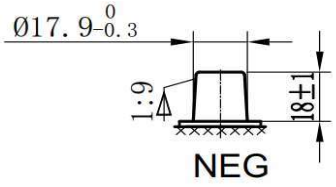
* **Commercial Vehicle Start**
* **Engine Start**
* **Parking air-conditioner**
* **Service for marine applications**











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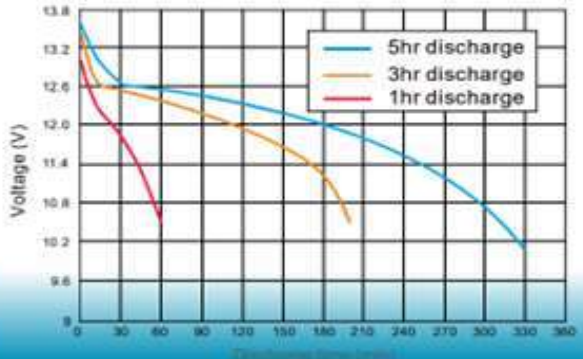
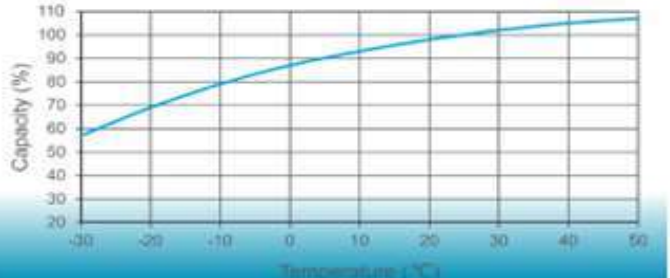
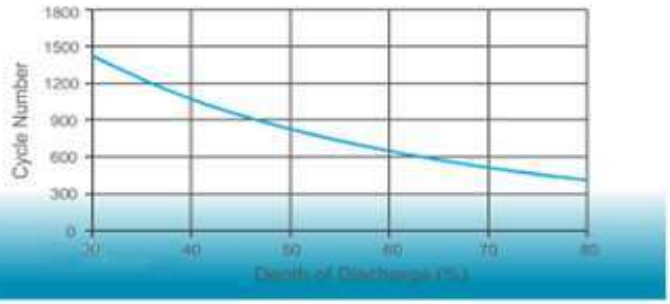
Discharge Curve (25 °C)



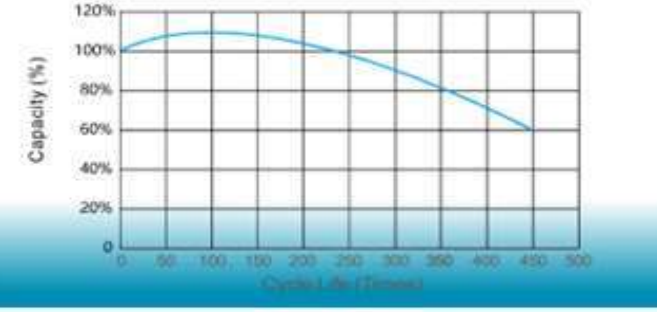
Temperature Vs Battery Capacity



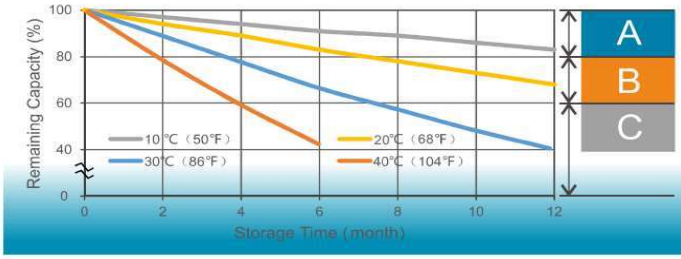
Cycle Life Vs Depth of Discharge



Cycle Life Vs Remaining Capacity



Self Discharge Characteristics

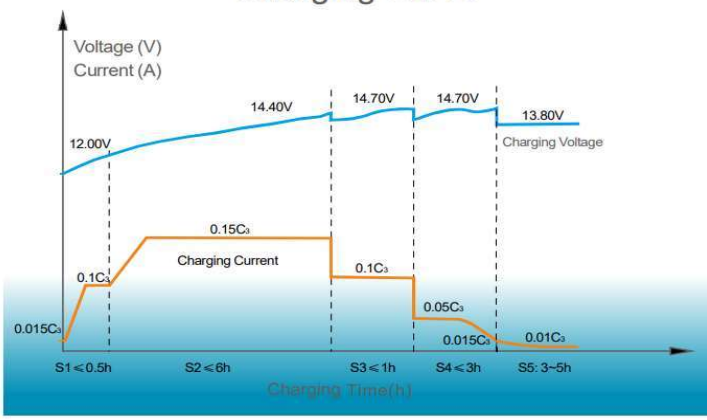


A Charging is not necessary unless 100% of capacity is required.

B Charging before use is necessary to help recover full capacity.

C Charging may fail to restore full capacity. Do not let batteries reach this state.

Charging Curve



Description of charging process and related parameters

(1) The first stage: pre-charging, Charging with constant current 0.1C_3 to 12V or last 0.5h, it will automatically jump to the second stage. This stage is mainly to prevent that the battery voltage is too low because of useless for a long time. This stage can be omitted if the battery are fresh

(2) The second stage: Charging with constant current 0.15C_3 to 14.4V or last 6h, it will automatically jump to the third stage

(3) The third stage: Charging with constant voltage 14.7V limited current 0.1C_3 for 1h, automatically jump to the fourth stage

(4) The forth stage: Constant voltage 14.7V limited current 0.05C_3 charging, when the current gradually drops to 0.015C_3 or last 3h, automatically jump to the fifth stage

(5) Fifth stage: Float charging, voltage 13.8V, limited current 0.01C_3 for 3-5h (if the current at this stage keep the value no change at 0.01C_3 for more than 1h, the charger should alarm)

Temperature Compensation: -3 mV/cell/°C.

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