POWER

AGM Battery (12V60AH)

B00422/BAT34-AGM-60A

Applications

- *Electric tools*
- *Vehicle in place of walking*
- *Lawn mowers*
- *Golf trolleys and golf cart*
- *Portable apparatus, lights and instruments*
- *Electric toys*
- *Illumination light*
- *Fire alarms*
- *Portable power*
- *Wheelchairs*
- *Medical equipment*

Specification

Nominal voltage	12V
Nominal capacity (20h)	60Ah
Dimensions	Length : 259±2mm (10.2 inches) Width : 168±2mm (6.61 inches) Container height : 190±2mm (7.48 inches) Total height (with terminal) : 190±2mm (7.48 inches)
Weight	Approx. 19.5kg (43lb)
Terminal	T6
Container material	ABS
Rated capacity	64.4 Ah/3.22A (20h,1.80V/cell, 25°C/77°F) 60.0 Ah/6.00A (10h,1.80V/cell, 25°C/77°F) 52.5 Ah/10.5A (5h,1.75V/cell, 25°C/77°F) 47.7 Ah/15.9A (3h,1.75V/cell, 25°C/77°F) 38.7 Ah/38.7A (1h,1.60V/cell, 25°C/77°F)
Max. discharge current	720A (5s)
Internal resistance	Approx. 7mΩ
Operating temperature range	Discharge : -15~50°C (5~122°F) Charge : 0~40°C (32~104°F) Storage : -15~40°C (5~104°F)
Nominal operating temp. range	25±3°C (77±5°F)
Cycle use	Initial charging current less than 18.0A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
Standby use	No limit on initial charging current voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C
Capacity according to temperature	40°C (104°F) : 103% 25°C (77°F) : 100% 0°C (32°F) : 86%
Self discharge	CG Power AGM series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge *(Amperes) at 25°C (77°F)*

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	87.8	74.0	64.6	46.5	36.9	30.0	18.7	14.5	11.8	9.56	8.33	6.80	5.66	3.19
1.80V/cell	112.3	89.3	76.4	54.9	43.0	33.6	20.3	15.6	12.5	10.3	8.93	7.21	6.00	3.22
1.75V/cell	123.4	97.5	82.1	56.9	44.5	35.1	21.1	15.9	12.9	10.5	9.19	7.34	6.07	3.25
1.70V/cell	134.4	104.2	86.3	59.2	46.4	36.2	21.9	16.4	13.2	10.8	9.37	7.44	6.12	3.31
1.65V/cell	145.1	110.7	91.7	62.5	47.5	37.4	22.5	17.0	13.6	11.1	9.58	7.56	6.25	3.35
1.60V/cell	157.5	118.5	97.6	66.0	49.5	38.7	23.2	17.6	14.1	11.5	9.79	7.63	6.32	3.37

Constant Power Discharge *(Watts/cell) at 25°C (77°F)*

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	163.9	139.3	123.1	89.3	71.5	58.1	36.2	28.4	23.0	18.8	16.5	13.4	11.2	6.37
1.80V/cell	206.6	165.8	143.3	104.1	82.4	64.8	39.4	30.3	24.4	20.1	17.6	14.3	11.9	6.43
1.75V/cell	224.3	179.5	152.8	107.6	85.1	67.5	40.7	30.9	25.0	20.6	18.0	14.5	12.0	6.48
1.70V/cell	241.0	190.1	159.7	111.5	88.3	69.5	42.2	31.6	25.5	21.1	18.4	14.7	12.1	6.59
1.65V/cell	258.2	200.9	168.9	117.1	90.1	71.6	43.2	32.8	26.4	21.6	18.8	14.8	12.3	6.67
1.60V/cell	275.6	212.3	178.0	122.4	93.1	73.5	44.4	33.7	27.1	22.1	19.1	15.1	12.4	6.70

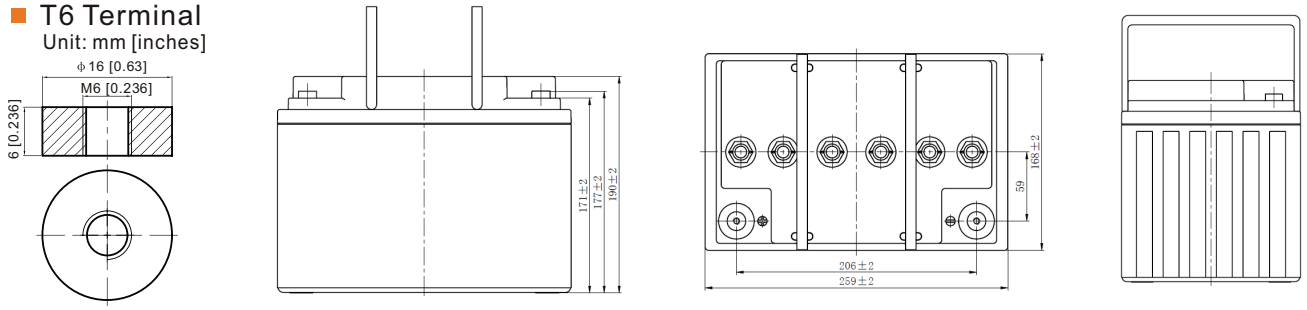
Phone: +1 450 424-0288 I Fax: +1 450 424-7211 I info@amylior.com I amylior.com

AGM Battery (12V60AH) | B00422/BAT34-AGM-60A

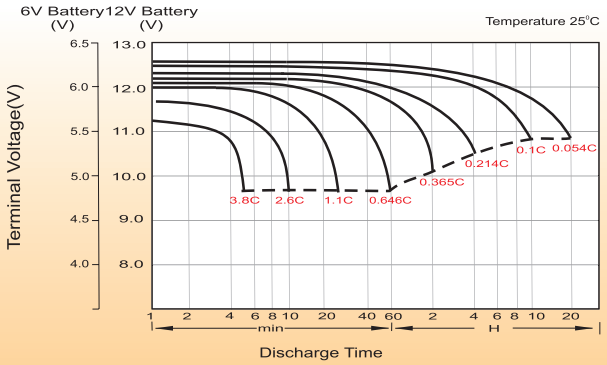
Dimensions

■ T6 Terminal

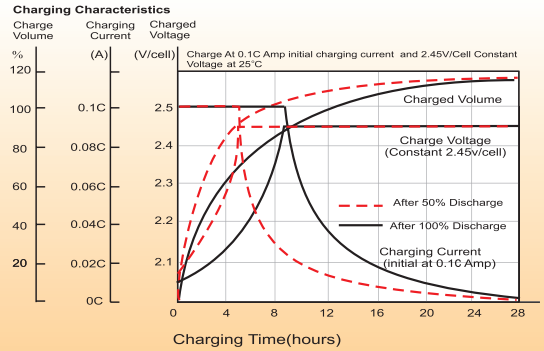
Unit: mm [inches]



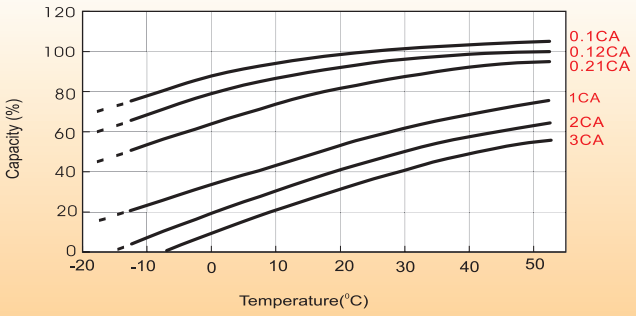
Discharge Characteristics



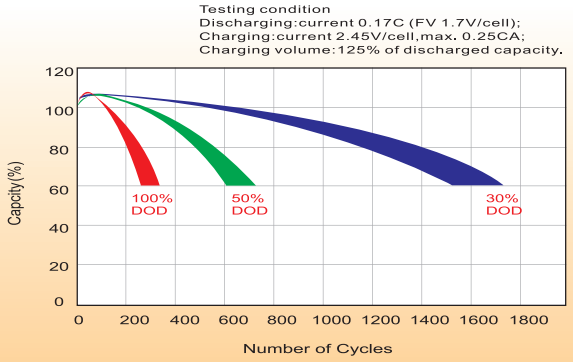
Charging Characteristics (cylce use)



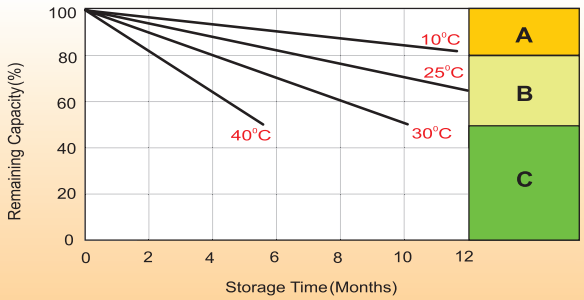
Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



A No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before use. Optional charging way as below:
1.Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
2.Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
3.Charged for 8~10 hours at limited current 0.05CA.

C Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.