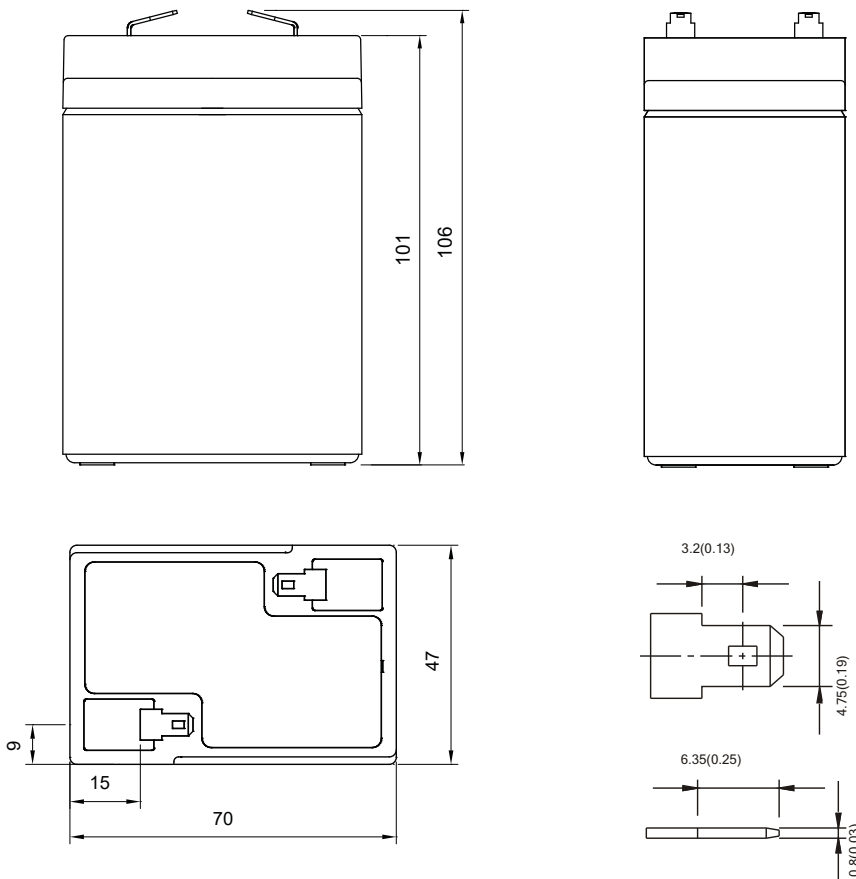# HUBAGM

The HB series sealed lead-acid batteries, use high purity lead and advanced battery separators, in the manufacturing process. Our advantages include long cycle life and high reliability. The battery technology improves the deep cycling ability and greatly prolongs battery life with more than 600 cycles at 80% DOD.

The HB series are best suited for cycling and solar applications.

TECHNICAL DRAWING

AGM

ABSORBED GLASS MAT
BATTERY

HB6-4.5

BENEFITS AND ADVANTAGES
Start at the Core

- Able to operate at -40C to +60C
- DOD @ 50%, 1200 cycles
- Integrated design to ensure the best uniformity and reliability
- High purity lead, ensures long life and excellent performance
- IEC 60896, UL

APPLICATIONS

- Off Grid Cabins & Homes
- Marine / RV
- Hybrid Solar & Grid Tie
- Wheel Chairs, Golf Carts
- Telecom Systems
- Off-Grid Industrial
- Micro Grid Systems

ELECTRICAL SPECIFICATIONS

Nominal Voltage	6 V
Amp Hour Capacity C 20	4.50AH
Amp Hour Capacity C 48	4.68AH
Amp Hour Capacity C 72	4.80AH
Amp Hour Capacity C 100	4.99AH
Amp Hour Capacity C 120	5.09AH
Amp Hour Capacity C 240	5.21AH

TEMPERATURE SPECIFICATIONS

Cold temperature applications	
Discharge Temperature	(-40C)
Charge Temperature	(-40C)
Storage	-40C to 45C

CHARGE SPECIFICATIONS

Recommend Charge current	0.45A
Max Charge current	0.90A
Bulk Charge V	7.30V
Absorption V	7.30V
Float V	6.85V
Equalization V ≤ 20A	7.30V

DISCHARGE SPECIFICATIONS

Current Discharge Rates	
20 hour rate	0.23A
10 hour rate	0.45A
5 hour rate	0.77A
1 hour rate	2.48A

MECHANICAL SPECIFICATIONS

Dimensions	2.76 x 1.85 x 4.21 in
L x W x H	70 x 47 x 107mm
Weight	1.65lbs (0.75KG)
Terminal Type	F1
Terminal Material	Copper
Case Material	ABS
Case IP Rating	IP56
Cell Type - Chemistry	AGM
Cell Type	Flat Plate

SAFETY TESTED

	IEC60896
Safety Ratings	CE
	UL

PERFORMANCE CHARACTERISTICS

Charge characteristics at 25C

Charging time (hours)

Discharge characteristics at 25C

Discharge time

Cycle life with DOD @ 25C   Acc. to IEC 896-2 (25°C)

Depth of discharge %