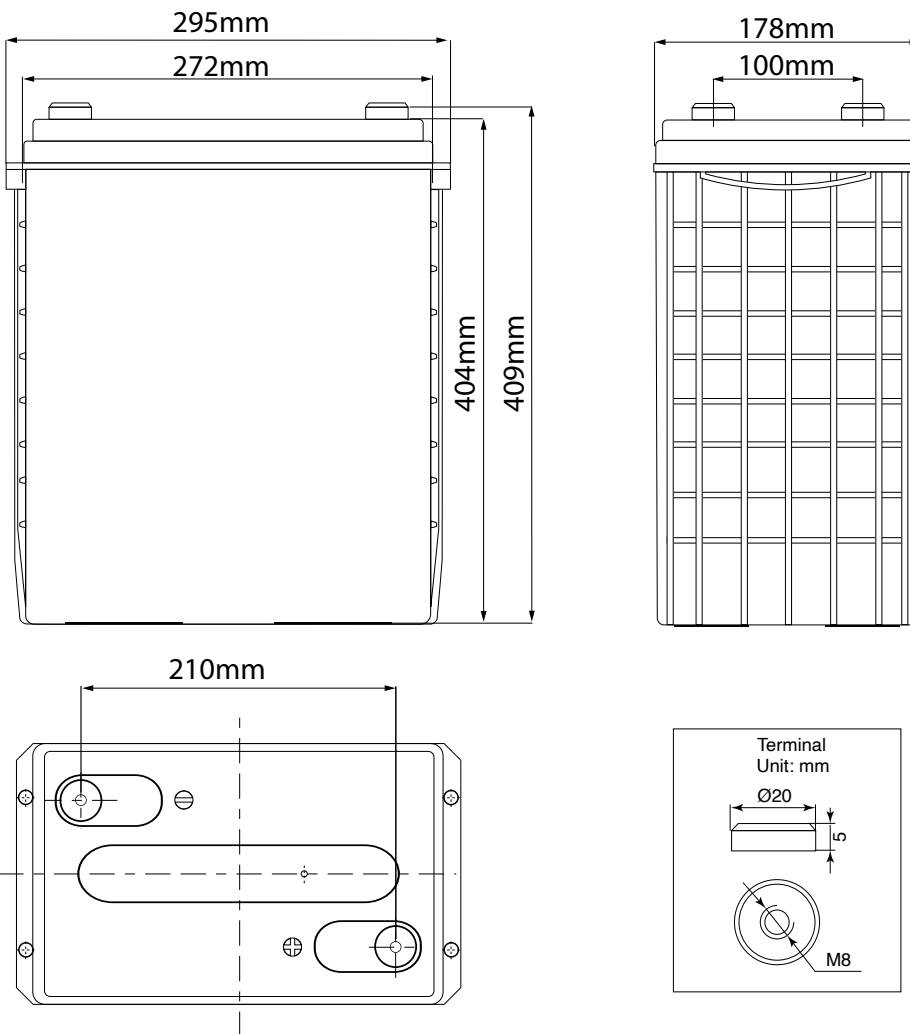


# HUBAGM

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

## HBL16-420

## BENEFITS AND ADVANTAGES

### Start at the Core

- Able to operate at  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- 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

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## ELECTRICAL SPECIFICATIONS

Nominal Voltage	6V
Amp Hour Capacity C 20	420AH
Amp Hour Capacity C 48	437AH
Amp Hour Capacity C 72	448AH
Amp Hour Capacity C 100	466AH
Amp Hour Capacity C 120	475AH
Amp Hour Capacity C 240	486AH

## TEMPERATURE SPECIFICATIONS

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

## CHARGE SPECIFICATIONS

Recommend Charge current	42A
Max Charge current	84A
Bulk Charge V	7.35V
Absorption V	7.35V
Float V	6.80V
Equalization V $\leq$ 84A	7.35V

## DISCHARGE SPECIFICATIONS

Current Discharge Rates	
20 hour rate	21A
10 hour rate	37.8A
5 hour rate	66.8A
1 hour rate	233A

## MECHANICAL SPECIFICATIONS

Dimensions	12 x 7.1 x 16.7in
L x W x H	295 x 178x 424mm
Weight	125 lbs (56.8KG)
Terminal Type	M8
Terminal Torque	90 in lbs (10NM)
Case Material	ABS
Case IP Rating	IP56
Cell Type - Chemistry	AGM
Cell Type	Flat Plate

## SAFETY TESTED

Safety Ratings	IEC60896
	CE
	UL

## PERFORMANCE CHARACTERISTICS

