

### **ALPHA HOUSE**

AG12-60

intelligent power

(12V-60Ah) AGM+GEL



# Outer Dimensions (mm)

#### Specifications

Nomina	12V			
Rated capacity	60 Ah			
	Total Height	179 mm (7.05 inches)		
Dimensions	Height	179 mm (7.05 inches)		
	Length	259 mm (10.2 inches		
	Width	169mm (6.65 inches)		
Approx	18.2 Kg (40.2 lbs)			
Terr	T16			
Termina	12 Nm			

## 

#### Characteristics

Capa 25℃(7	,	10 hour rate(6. 0 A) 5 hour rate(9.6 A) 1 hour rate(36 A)	60 AH 48 AH 36 AH			
Internal Resistance		Full charged Battery at 25 ℃(77°F)	Approx 7 mΩ			
Сара	city	40℃(104°F)	102%			
affec	ted	<b>25℃(77</b> ℉)	100%			
by Temperature		0℃(32℉)	85%			
(20hour rate)		-15℃(5°F)	65%			
0 16 D:		Capacity after 3 month storage	91%			
Self-Discharge at 25 ℃ (77 ℉)		Capacity after 6 month storage	82%			
		Capacity after 12 month storage	64%			
Charge	Cycle	Initial Charging Current less than 15 A.				
(constant	Сусіе	Voltage 14.10-14.40V				
Voltage)	Float	Voltage 13.50-13.80V				
Design	n Life	12 Years (float charging)				

#### Construction

Positive Negative plate plate		Container	Cover	
Lead	Lood	ABS	ABS	
dioxide	Leau	(V0/HB)	(V0/HB)	
Separator	Electrolyte	Safety valve	Terminal	
AGM	SiO2 Gel	Rubber	Cu coated by Ag	
	plate Lead dioxide Separator	plate plate Lead dioxide Lead Separator Electrolyte	plate plate Container Lead Lead dioxide Lead (V0/HB) Separator Electrolyte Safety valve	

High Sn positive plate, SiO2 Gel electrolyte.

#### Product Compliance

 IEC:
 60896-21/22:2004;
 UL:
 MH26669;

 GB/T:
 19639-2014;
 BS:
 6290 part 4;

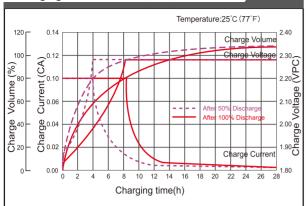
 JIS:
 CB704-1:2006;
 EUROBAT;
 CE

#### Manufacturer's Certificates

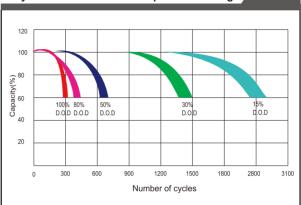
ISO: 9001:2005 ISO: 14001:2015 OHSAS: 18001:2007

	Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°ℂ(77°F)												
Time	;	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
0.6077	Α	192	127	102	68	36	21	15	12	10	7	6	3
9.60V	W	1983	1352	1094	735	389	231	172	135	113	80	73	40
10.2037	Α	186	114	96	65	34	20	15	12	10	7	6	3
10.20V	W	1988	1276	1076	734	383	231	174	136	113	80	73	39
40.5077	Α	180	102	84	61	33	20	15	12	10	7	6	3
10.50V	W	1966	1162	959	704	379	227	171	135	113	80	72	39
40.0077	Α	174	96	78	56	32	19	14	11	9	7	6	3
10.80V	W	1947	1111	900	653	369	223	168	134	111	78	71	39
44 4077	Α	168	90	72	50	31	19	14	11	9	6	6	3
11.10V	W	1902	1045	839	590	360	220	164	131	109	77	69	37

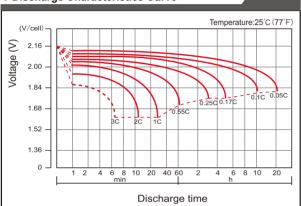
Charging Characteristics (25°C)



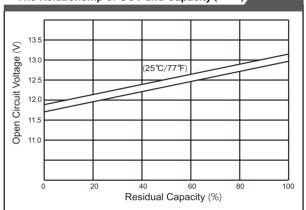




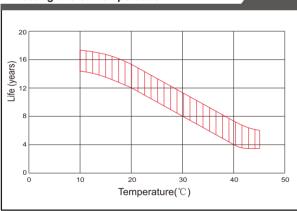




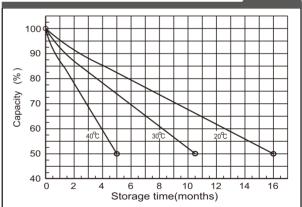




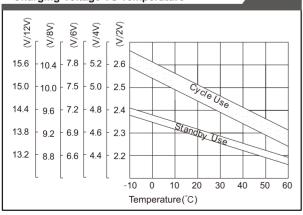
#### Floating Life On Temperature



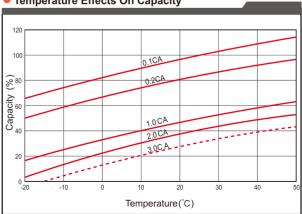
#### Self-Discharge Characteristics



#### Charging Voltage VS Temperature



#### Temperature Effects On Capacity



Disclaimer: The manufacturer reserves the right to amend and/or vary the specifications and parameters of the product and apply updates accordingly at any time. It is the sole responsibility of the buyer and user of the product to ensure all applicable product specifications referred to are valid and up to date. All product specifications are available upon request. Batteries must be installed in accordance with standard BS EN IEC 62485-2:2018, and in accordance with manufacturer's guidelines. (available upon request)









