



ALPHA HOUSE

intelligent power

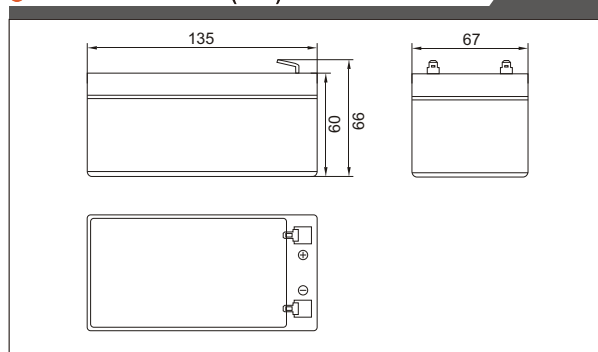
AH12-3.2

(12V-3.2Ah)

VRLA AGM



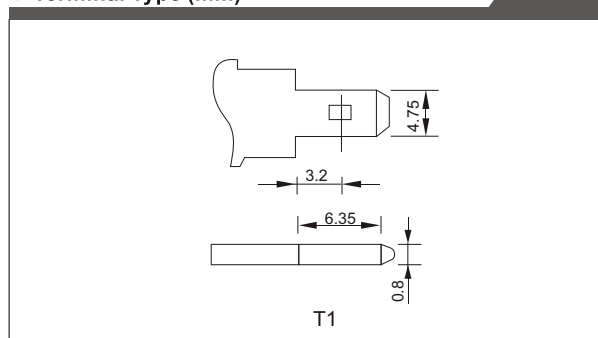
Outer Dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		3.2 Ah
Dimensions	Total Height	66 mm (2.60 inches)
	Height	60 mm (2.36 inches)
	Length	135 mm (5.32 inches)
	Width	67 mm (2.64 inches)
Approx. Weight		1.24 Kg (2.73 lbs)
Terminal		T1

Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate(0.17 A)	3.30 AH
	10 hour rate(0.30 A)	3.04AH
	5 hour rate(0.56A)	2.81AH
	1 hour rate(1.98A)	1.98AH
1.5 hour discharge to 10.5V		1.32 A
Internal Resistance	Full charged Battery at 25°C(77°F)	37 mΩ
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Charge (constant Voltage)	Cycle	Initial Charging Current less than 0.96 A. Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V
Design Life		5~7 Years(Float charging)

Construction

Component	Positive plate	Negative plate	Container	Cover
Raw material	Lead dioxide	Lead	ABS (V0/HB)	ABS (V0/HB)
Component	Separator	Electrolyte	Safety valve	Terminal
Raw material	AGM	Sulfuric acid	Rubber	Cu coated by Ag

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

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	11.9	7.79	5.78	3.80	1.98	1.16	0.85	0.68	0.58	0.38	0.31	0.17
	W	140.1	88.0	66.6	40.3	22.8	13.4	9.83	7.89	6.70	4.41	3.62	1.98
10.20V	A	10.9	7.45	5.31	3.60	1.86	1.11	0.83	0.66	0.57	0.38	0.31	0.17
	W	131.9	83.3	62.6	40.0	21.5	12.8	9.56	7.65	6.57	4.35	3.55	1.92
10.50V	A	9.91	6.96	4.95	3.49	1.80	1.09	0.81	0.63	0.57	0.37	0.30	0.17
	W	127.3	80.9	59.8	39.6	20.8	12.6	9.39	7.26	6.53	4.30	3.52	1.91
10.80V	A	9.53	6.66	4.62	3.40	1.74	1.06	0.80	0.62	0.54	0.36	0.30	0.16
	W	111.6	78.4	57.6	39.5	20.2	12.3	9.28	7.17	6.24	4.13	3.44	1.87
11.10V	A	8.81	6.27	4.29	3.30	1.68	1.03	0.76	0.60	0.51	0.35	0.29	0.16
	W	107.9	75.8	54.9	39.2	19.9	12.2	9.01	7.15	6.11	3.39	3.37	1.86

