

ENERGY SAFE

0841265

Energy Safe Valve Regulated Lead Acid battery.
5 year design life for stand by power applications.

Innovative Features

Completely maintenance free, sealed construction eliminates the need for watering

Fully tank formed plates

Analytical Grade electrolyte

Spill proof / leak proof

Valve regulated Max internal pressure 2.5 psi

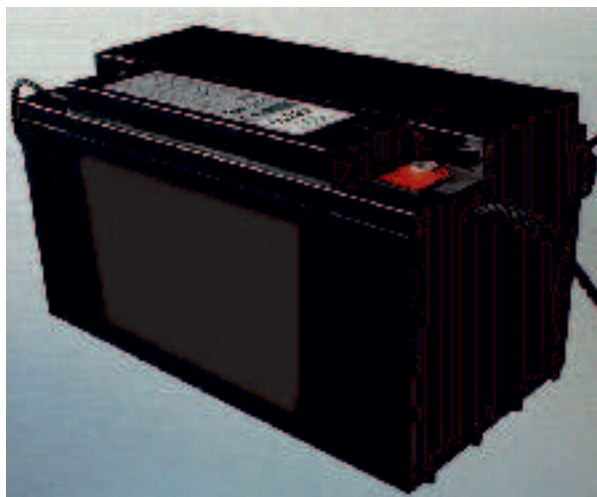
Multi-position usage

ABS Case and cover - V0 on request

Low self discharge

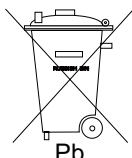
FAA and IATA approved as non-hazardous

Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

Nominal Voltage	12 Volts
Nominal Capacity	68.6Ah (C20 @ 20 °C)
Design Life	5 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycling 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)
Venting Valve	Sulphuric acid Analytical grade purity EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Epoxy sealed by extended mechanical paths



Accu Italia SpA keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

Website: www.accu-italia.com
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Sealed Lead Acid 12 Volt Bloc AGM Range
PRODUCT SHEET 0841265

12V
AGM

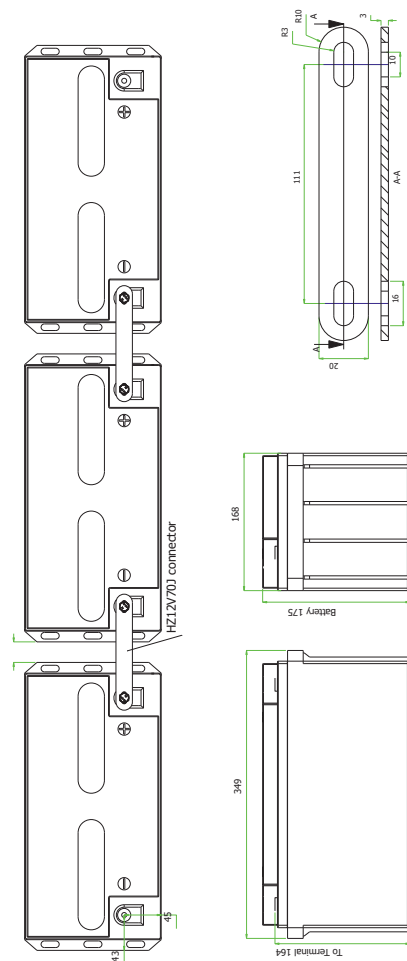
Specifications

Nominal Voltage		12 V	
Nominal Capacity		68.6 Ah	
Dimensions	Total Height	175 mm	6.89 inches
	(To terminals)	164 mm	6.45 inches
	Length	168 mm	6.89 inches
	Width	349 mm	13.74 inches
	Weight	21.6 Kg	47.7 lbs

Characteristics

Capacity 20 °C (68 °F) to 1.75 volts	20 hour rate	68.6 Ah
	10 hour rate	65.1 Ah
	5 hour rate	58.0 Ah
	1 hour rate	40.5 Ah
	15 min rate	24.0 Ah
	Internal Resistance	-- mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
Short Circuit Current 20 °C (68 °F)	Capacity after 6 months storage	86%

Terminal	Standard	Insert
	Optional	
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)
	Float	2.27 - 2.30 VPC (15-25 °C)



Constant Power Discharge - Watts per Cell @20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	224	162	129	112	98.3	89.1	81.0	74.3	68.8	56.7	43.3	36.2	28.5	23.9	-	-	-	-	-
1.80	240	173	138	119	105	95.2	86.5	79.3	73.5	60.6	46.3	38.7	30.4	25.6	-	-	-	-	-
1.75	255	184	147	127	112	101	92.1	84.4	78.1	64.5	49.3	41.2	32.3	27.2	-	-	-	-	-
1.70	260	188	150	130	114	103	94.1	86.2	79.9	65.9	50.3	42.1	33.1	27.8	-	-	-	-	-
1.65	264	190	152	131	116	105	95.3	87.3	80.9	66.7	51.0	42.6	33.5	28.1	-	-	-	-	-
1.60	266	192	154	132	117	106	96.2	88.2	81.7	67.4	51.5	43.0	33.8	28.4	-	-	-	-	-

Constant Amps Discharge - Amps @20 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	145	99.9	84.5	73.7	65.2	58.5	52.9	48.0	44.2	35.6	26.2	21.1	15.5	12.3	10.2	6.96	5.73	4.85	3.01
1.80	155	107	90.3	78.8	69.6	62.5	56.5	51.3	47.2	38.0	28.0	22.6	16.6	13.1	10.9	7.44	6.12	5.18	3.22
1.75	165	113	96.0	83.8	74.1	66.4	60.1	54.6	50.2	40.5	29.8	24.0	17.6	14.0	11.6	7.91	6.51	5.51	3.43
1.70	168	116	98.2	85.6	75.7	67.9	61.5	55.8	51.3	41.4	30.4	24.5	18.0	14.3	11.9	8.09	6.65	5.63	3.50
1.65	170	117	99.4	86.7	76.7	68.8	62.2	56.5	51.9	41.9	30.8	24.9	18.3	14.5	-	-	-	-	-
1.60	172	119	100	87.6	77.4	69.4	62.9	57.0	52.4	42.3	31.1	25.1	18.4	14.6	-	-	-	-	-

Ampere Hour @20 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	42.2	46.5	49.2	51.0	55.7	57.3	58.2	60.2
1.80	45.2	49.8	52.4	54.5	59.5	61.2	62.1	64.4
1.75	48.0	52.8	56.0	58.0	63.3	65.1	66.1	68.6
1.70	49.0	54.0	57.2	59.5	64.7	66.5	67.5	70.0



UL Recognised
Component
MH28512

