

Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.
12 Volts 29.5 Ah

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Special formation process
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - VO 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

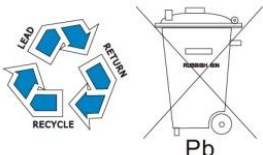
Nominal Voltage	12 Volts
Nominal Capacity	29.5Ah (C20 @ 20 °C)
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cycling See Cyclic charging profile Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Insert 12mm Dia M5 thread. Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all types is 5-7 Nm
Cables	Connectors, cables, terminal covers on request.

AGM Range

Sealed Lead Acid 12 Volt Bloc

PRODUCT SHEET

**12V
AGM**

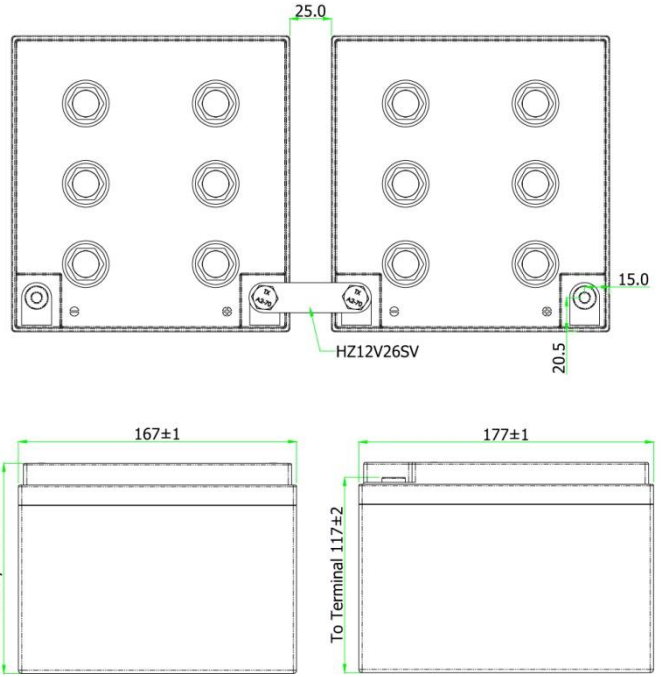


Specifications

Nominal Voltage		12V	
Nominal Capacity		29 Ah	
Dimensions	Total Height (Inc. terminals)	124 mm	4.88 inches
	Length	168 mm	6.61 inches
	Width	178 mm	7.01 inches
	Weight	8.4 Kg	18.56 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.7 volts	20 hour rate	29.5 Ah
	10 hour rate	28.4 Ah
	5 hour rate	26.0 Ah
	1 hour rate	18.4 Ah
	15 min rate	12.8 Ah
	Internal Resistance	8 mOhms
Capacity correction for Temperature Variations (C20)	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
	-15 °C (5 °F)	65%
Self-Discharge 20 °C (68 °F)	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
	Capacity after 6 months storage	86%
Short Circuit Current 20 °C (68 °F)	900	
Terminal	Standard	12mm Insert M5 th read
	Optional	Cu Flag
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 @ 20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	232	128	91.9	73.3	61.6	54.1	48.7	44.4	40.8	32.6	23.2	18.2	13.2	10.7	9.03	7.80	6.86	6.12	4.96	4.18	2.54
1.80	248	137	98.1	78.3	65.8	57.8	52.1	47.4	43.6	34.8	24.8	19.4	14.1	11.4	9.64	8.33	7.33	6.53	5.29	4.46	2.71
1.75	263	146	104	83.3	70.0	61.5	55.4	50.5	46.4	37.0	26.3	20.7	15.1	12.2	10.3	8.86	7.80	6.95	5.63	4.75	2.88
1.70	269	149	107	85.1	71.5	62.8	56.6	51.6	47.4	37.8	26.9	21.1	15.4	12.4	10.5	9.06	7.97	7.10	5.75	4.85	2.95
1.67	272	150	108	85.8	72.2	63.4	57.1	52.0	47.9	38.2	27.2	21.3	15.5	12.5	-	-	-	-	-	-	-
1.65	273	151	108	86.2	72.4	63.6	57.3	52.2	48.0	38.3	27.3	21.4	15.6	12.6	-	-	-	-	-	-	-
1.60	275	152	109	87.0	73.1	64.2	57.9	52.7	48.5	38.7	27.5	21.6	15.7	12.7	-	-	-	-	-	-	-

Constant Amps Discharge - Amps @ 20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	95	59.2	44.1	35.7	30.3	26.6	23.9	21.6	19.8	15.9	11.6	9.20	6.67	5.30	4.48	3.88	3.42	3.02	2.44	2.05	1.27
1.80	102	63.3	47.1	38.2	32.4	28.4	25.5	23.1	21.2	17.0	12.4	9.83	7.12	5.66	4.79	4.14	3.66	3.23	2.61	2.19	1.36
1.75	108	67.3	50.1	40.6	34.4	30.2	27.1	24.6	22.5	18.0	13.2	10.5	7.57	6.02	5.10	4.41	3.89	3.43	2.78	2.33	1.44
1.70	111	68.8	51.2	41.5	35.2	30.9	27.7	25.1	23.0	18.4	13.5	10.7	7.74	6.15	5.21	4.51	3.98	3.51	2.84	2.38	1.47
1.67	112	69.4	51.6	41.8	35.5	31.1	28.0	25.3	23.2	18.6	13.6	10.8	7.81	6.21	-	-	-	-	-	-	-
1.65	112	69.7	51.8	42.0	35.6	31.3	28.1	25.4	23.3	18.7	13.6	10.8	7.84	6.23	-	-	-	-	-	-	-
1.60	113	70.3	52.3	42.4	36.0	31.6	28.3	25.7	23.6	18.9	13.8	10.9	7.92	6.29	-	-	-	-	-	-	-

Ampere Hour @ 20-25 °C

End V per Cell	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	18.4	20.0	21.2	22.4	23.3	24.0	24.2	24.4	24.6	25.4
1.80	19.7	21.4	22.6	24.0	24.9	25.6	25.8	26.1	26.3	27.1
1.75	20.9	22.7	24.1	25.5	26.4	27.2	27.5	27.8	28.0	28.9
1.70	21.4	23.2	24.6	26.0	27.0	27.8	28.1	28.4	28.6	29.5
1.67	21.6	23.4	24.8	-	-	-	-	-	-	-
1.65	21.6	23.5	24.9	-	-	-	-	-	-	-
1.60	21.9	23.7	25.2	-	-	-	-	-	-	-



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