TECHNICAL DATA SHEET

DAS12-7,5

DAS12-7,5
12 Volts 7,5Ah C20

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	7.5Ah (C20 @ 20℃)
Design Life	5 Years
Operating Temperature	-20 ̊C to 50 ̊C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Microporous polymer
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 ̊C Cycliing 2.35 @25 ̊C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Gelled 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	Epoxy sealed by extended mechanical paths

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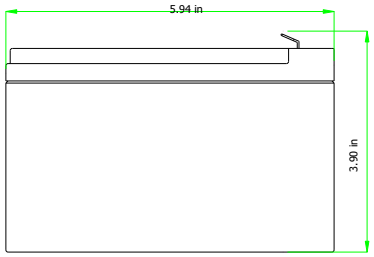
BATTERY SUPPLIES

TECHNICAL DATA SHEET

DAS12-7,5

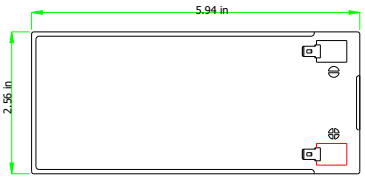
Specifications

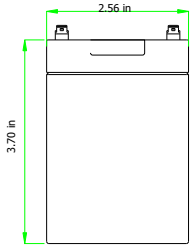
Nominal Voltage	12V		
Nominal Capacity	7.5 Ah		
Dimensions	Total Height	94 mm	3.70 inches
	(Inc. terminals)	99 mm	3.90 inches
	Length	151 mm	5.94 inches
	Width	65 mm	2.56 inches
	Weight	2.52 Kg	5.55 lbs
	Box Quantity	8	



Characteristics

Capacity 20 °C (68 °F) To 1.7 volts	20 hour rate	7.5 Ah
	10 hour rate	6.9 Ah
	5 hour rate	7.1 Ah
	1 hour rate	5.3 Ah
	15 min rate	3.8 Ah
	Internal Resistance	25 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)	300A	
Terminal	Standard	Faston T1
	Optional	Faston T2
	Layout Ref.	D
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
1.75	49.4	35.3	27.3	21.9	18.68	16.58	14.84	13.44	12.31	10.07	7.85	6.31	4.47	3.42
1.70	50.4	36.1	27.8	22.5	19.25	17.01	15.24	13.82	12.69	10.22	7.90	6.33	4.48	3.43
1.65	51.6	36.5	28.1	22.9	19.63	17.39	15.57	14.05	12.96	10.42	7.96	6.36	4.49	3.45

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
1.75	27.3	19.36	14.88	11.89	10.07	8.90	7.92	7.15	6.53	5.31	4.11	3.28	2.31	1.76
1.70	28.1	19.95	15.28	12.32	10.45	9.19	8.19	7.39	6.76	5.40	4.14	3.30	2.32	1.77
1.65	28.8	20.3	15.48	12.56	10.69	9.43	8.39	7.53	6.92	5.52	4.18	3.33	2.33	1.78

Ampere Hour @20 °C

End V per Cell	1 hr	3 hr	5 hr	10 hr	20 hr
1.75	5.30	6.90	7.10	6.90	7.50

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