

BATTERY SPECIFICATIONS

- Battery Technology: Valve Regulated Lead Acid AGM Battery
- Battery Nomenclature: FH800
- Nominal Voltage: 12V
- Nominal Capacity @20hr to 1.75V/cell at 25°C: 210Ah
- Nominal Power @15min to 1.67V/cell at 25°C: 800Watts/cell
- Design Life: 12 years at 20° C

ELECTRICAL CHARACTERISTICS

- Float Voltage Charge: 2.27 V/cell at 20° C, 2.25 V/cell at 25° C
- Boost Charge: 2.35 - 2.40 V/cell
- Maximum Charge Current: 52.5A
- Float Voltage Temperature Compensation: -15 mV/°C/bloc
- Self-Discharge: < 2%/month at 20° C
- Operation Temperature Range: -20° C ~ + 40° C
- Recommended Operating Temperature: +10° C ~ +30° C
- Maximum Discharge Current: 1260A
- Short Circuit Current (IEC60896-21/22): 5700A
- Internal Resistance (IEC60896-21/22): 2.20mΩ

TECHNICAL FEATURES

- Positive & Negative Plates: Flat pasted with high quality grids and Lead-tin-calcium alloy
- Electrolyte: H₂SO₄ absorbed in AGM separators
- Containers: ABS IEC 707 FV0 and UL 94 V0 flame retardant plastics
- Separators: Industrial standard glass micro-fibre mats, high micro porosity
- Valves: Industrial standard Bunsen valves opening pressure 15-25 kPa
- Terminal Posts: Threaded female M8 terminal posts (high conductivity and easy installation)

APPLICABLE STANDARDS

- IEC 60896 Part 21 - VRLA methods of testing
- IEC 60896 Part 22 - VRLA requirements
- BS 6290 Part 4 – specifications for VRLA classification
- Eurobat “High Performance ” – 10-12 years design life

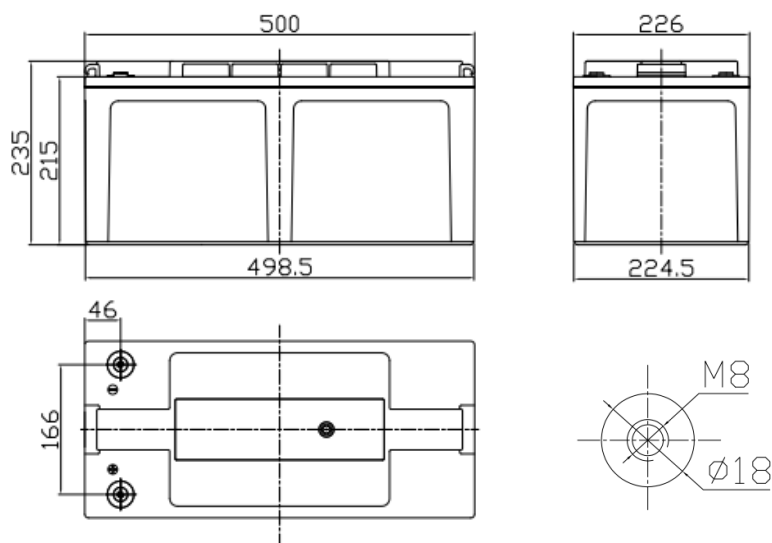
MANUFACTURING CERTIFICATES

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- ISO 45001 Workplace Safety and Health

FH800 DATA SHEET

BATTERY DIMENSIONS AND WEIGHT

Dimensions	FH800
Length	500mm
Width	226mm
Box height	235mm
Terminal height	235mm
Battery Weight	64.7Kg
Connection Torque	10~12Nm



DISCHARGING DATA

FH800: CONSTANT POWER DISCHARGE DATA - Watts per cell (W/cell) at 25°C

End voltage V/cell	Minutes													
	5	10	15	30	45	60	120	180	240	300	360	480	600	1200
1.60	1226	1027	803	488	350	289	163	117	91.2	75.9	66.1	50.3	41.1	21.3
1.65	1196	1008	800	483	348	288	162	117	90.8	75.7	65.9	50.1	40.9	21.3
1.67	1183	1002	798	482	347	287	161	116	90.5	75.4	65.7	50.0	40.8	21.2
1.70	1165	993	785	480	345	285	161	116	90.1	75.1	65.4	49.8	40.7	21.2
1.75	1105	962	768	472	340	281	159	114	88.7	74.0	64.4	49.1	40.4	21.0
1.80	1002	902	735	457	331	271	155	110	85.8	71.7	62.4	47.8	39.6	20.7

FH700: CONSTANT CURRENT DISCHARGE DATA - Current (A) at 25°C

End voltage V/cell	Minutes													
	5	10	15	30	45	60	120	180	240	300	360	480	600	1200
1.60	713	581	447	260	179	143	79.2	56.7	44.0	36.6	31.8	24.1	21.0	10.8
1.65	688	568	440	256	176	142	78.4	56.1	43.5	36.2	31.5	23.9	20.8	10.7
1.67	676	562	435	254	175	141	77.9	55.7	43.2	35.9	31.2	23.6	20.7	10.7
1.70	669	559	432	253	174	140	77.6	55.5	42.9	35.6	31.0	23.4	20.6	10.7
1.75	612	526	414	246	170	137	76.4	54.4	42.2	35.0	30.5	23.1	20.4	10.6
1.80	533	484	391	236	164	132	74.3	52.5	40.8	33.9	29.5	22.5	20.0	10.5

FABIT reserves the right to update without notice any information or detail given in this public

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