

BATTERY SPECIFICATIONS

- Battery Technology: Valve Regulated Lead Acid AGM Battery
- Battery Nomenclature: FH900
- Nominal Voltage: 12V
- Nominal Capacity @20hr to 1.75V/cell at 25°C: 240Ah
- Nominal Power @15min to 1.67V/cell at 25°C: 900Watts/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: 60 A
- 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: 1440A
- Short Circuit Current (IEC60896-21/22): 5980A
- Internal Resistance (IEC60896-21/22): 2.10mΩ

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

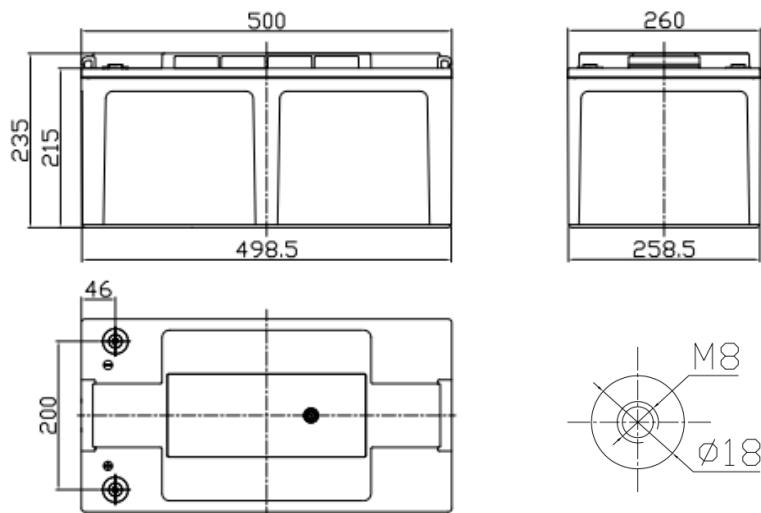
MANUFACTURING CERTIFICATES

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

FH900 DATA SHEET

BATTERY DIMENSIONS AND WEIGHT

Dimensions	FH900
Length	500mm
Width	260mm
Height	235mm
Battery Weight	72Kg
Connection Torque	10~12Nm



DISCHARGING DATA

FH900: 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	1416	1157	905	550	394	326	183	132	103	85.6	74.7	56.7	46.3	24.0
1.65	1381	1136	902	545	392	324	182	131	102	85.3	74.5	56.5	46.1	24.0
1.67	1367	1129	900	543	391	323	182	131	102	85.0	74.3	56.4	46.0	23.9
1.70	1345	1119	885	541	389	322	181	130	102	84.7	73.9	56.1	45.9	23.9
1.75	1305	1085	866	532	384	316	179	128	99.9	83.4	72.8	55.4	45.5	23.7
1.80	1157	1016	828	515	373	306	174	124	96.7	80.8	70.6	53.9	44.7	23.4

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	803	655	504	293	202	161	89.2	63.8	49.6	41.2	35.9	27.1	23.6	12.2
1.65	775	640	496	288	199	159	88.4	63.1	49.1	40.8	35.6	26.9	23.5	12.1
1.67	762	634	490	286	197	158	87.8	62.7	48.7	40.4	35.2	26.6	23.3	12.1
1.70	754	630	487	285	196	158	87.5	62.4	48.4	40.2	35.0	26.4	23.2	12.1
1.75	690	593	467	277	191	154	86.1	61.2	47.5	39.5	34.4	26.0	22.9	12.0
1.80	601	546	441	266	185	149	83.7	59.1	46.0	38.2	33.3	25.3	22.5	11.8

FABIT reserves the right to update without notice any information or detail given in this
FH900 datasheet_EN_2023_09_15



Hubei FABIT Energy Technology Co., Ltd.

No.1 Binjiang 2nd Road, Gedian Development Zone, Ezhou City,
Hubei Province, P.R.China, PC 436070

www.fabitenertech.com.cn

marketing@fabitenertech.com.cn