

BATTERY SPECIFICATIONS

- Battery Technology: Valve Regulated Lead Acid AGM Battery
- Battery Nomenclature: FH350
- Nominal Voltage: 12V
- Nominal Capacity @20hr to 1.75V/cell at 25°C: 90Ah
- Nominal Power @15min to 1.67V/cell at 25°C: 350Watts/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: 22.5A
- 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: 720A
- Short Circuit Current (IEC60896-21/22): 2660A
- Internal Resistance (IEC60896-21/22): 4.75mΩ

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

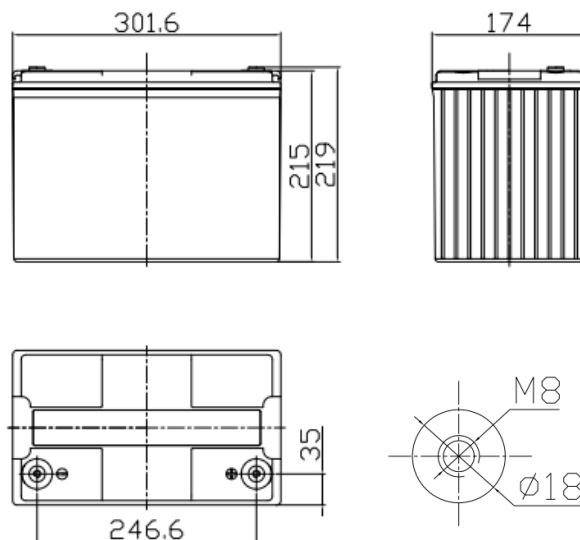
MANUFACTURING CERTIFICATES

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

FH350 DATA SHEET

BATTERY DIMENSIONS AND WEIGHT

Dimensions	FH350
Length	301.6mm
Width	174mm
Box height	215mm
Terminal height	219mm
Battery Weight	29.7Kg
Connection Torque	10~12Nm



DISCHARGING DATA

FH350: CONSTANT POWER DISCHARGE DATA - Watts per cell (W) at 25°C

End voltage V/cell	Minutes													
	5	10	15	30	45	60	120	180	240	300	360	480	600	1200
1.60	676	473	363	218	151	123	66.1	44.8	34.6	28.6	25.1	19.1	16.1	8.77
1.65	659	464	361	216	150	123	65.8	44.6	34.5	28.5	25.0	19.0	16.0	8.74
1.67	641	457	358	214	149	122	65.6	44.5	34.4	28.5	25.0	19.0	16.0	8.73
1.70	613	445	353	211	148	122	65.2	44.4	34.3	28.4	24.9	19.0	16.0	8.71
1.75	560	415	334	202	143	118	64.5	44.0	34.1	28.2	24.8	18.9	15.9	8.65
1.80	481	371	302	188	136	115	63.2	43.2	33.6	27.9	24.5	18.8	15.7	8.53

FH350: 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	380	258	196	114	77.9	65.9	35.1	23.7	18.3	15.1	13.2	10.0	8.46	4.60
1.65	362	251	192	111	76.6	65.0	34.7	23.5	18.1	14.9	13.0	9.93	8.39	4.57
1.67	345	243	188	109	75.8	64.5	34.4	23.4	18.0	14.9	13.0	9.90	8.35	4.55
1.70	333	238	185	108	75.3	64.1	34.2	23.3	17.9	14.8	12.9	9.87	8.32	4.54
1.75	298	218	173	102	72.2	61.9	33.6	22.9	17.7	14.7	12.8	9.80	8.24	4.50
1.80	252	192	155	94.3	68.1	59.6	32.7	22.4	17.4	14.4	12.6	9.70	8.11	4.41



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