

FTJ Series

6FTJ-100A 12V100Ah

FTJ VRLA front terminal flat plate gel battery has good heat dissipation and floating standby performance. Its specially designed gas gathering and exhaust system effectively ensures security of the system. FTJ series is designed especially for 19" and 23" power supply cabinets mainly used in small outdoor base stations. It is suitable for harsh environment of high-low temperature and poor grid conditions.



Benefits

- Long life according to EUROBAT Classification
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- GEL state electrolyte prevents leakage and layering
- Low resistance PVC-SiO₂ micro-porous separator ensure Low self-discharge rate
- Easy installation and handling
- Centralized venting system

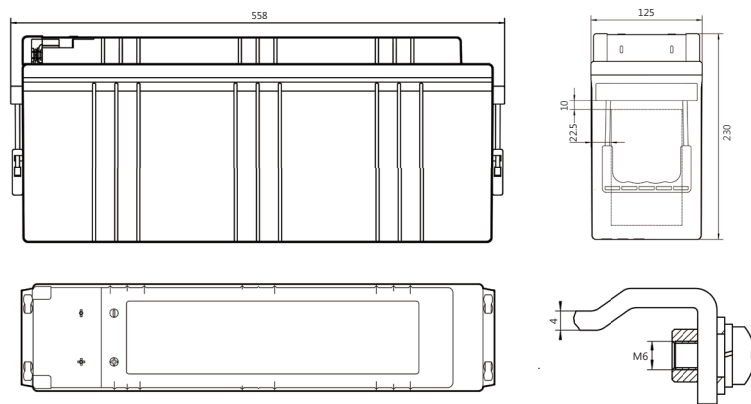
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

- IEC 60896-21/22
- DIN43539-T5
- EUROBAT guide

Drawing



FT-55

Specifications

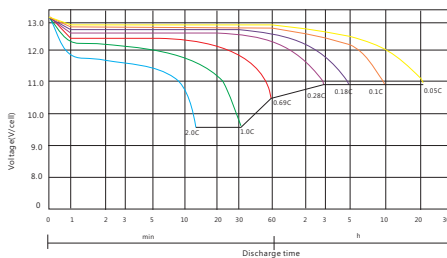
Battery Model	6FTJ-100A			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	20HR (5.35A, 1.75V)	10HR (10.0A, 1.80V)	5HR (17.0A, 1.80V)	1HR(50.0A, 1.80V)
	107	100	85	50
Dimensions (mm)	Length	Width	Height	Total Height
	558	125	230	230
Approx. Weight (kg)	36.3			
Reference Internal Resistance (mΩ)	4.8 (fully charged @ 25°C)			
Maximum Discharge Current (A/3 Sec.)	847			
Self-Discharge (25°C)	≤ 2% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.33 (-3.5mV/°C/cell), max charge current: 20A		2.22 (-3.5mV/°C/cell)	
Short Circuit Current (A)	2100			

Discharge Data

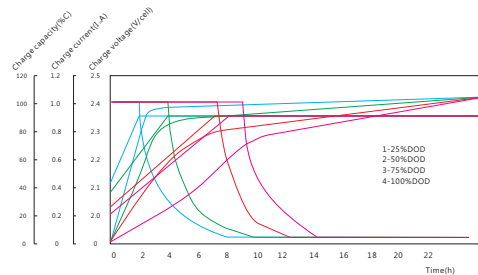
Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min						h						
	5	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	271	197.7	153.9	129.1	94.3	68.0	59.9	45.7	36.7	26.9	18.0	11.0	5.80
1.65	257	190.7	151	127.1	93.4	66.7	58.2	45.0	36.5	26.6	17.9	10.8	5.50
1.70	242	180.8	148	124.2	92.3	64.4	56.5	44.3	36.3	26.3	17.6	10.6	5.45
1.75	224	167.8	143	119.2	89.4	62.3	54.3	43.5	36.1	25.9	17.2	10.3	5.35
1.80	192	153	134.1	111.2	84.4	59.5	50.0	42.2	35.6	25.0	17.0	10.0	5.25

Constant Power Discharge Data (25°C, W/cell)													
End Voltage (V/cell)	min						h						
	5	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	479	359	281	236	177	133	102	79.1	61.9	44.9	30.4	18.1	9.6
1.65	445	345	275	233	175	132	100	78.5	61.9	44.9	30.4	17.8	9.6
1.70	407	326	266	229	173	130	100	77.7	61.9	44.9	30.4	17.8	9.6
1.75	375	302	258	220	169	127	98.1	77	61.9	44.9	30.4	17.7	9.6
1.80	349	276	246	206	161	123	96.7	75.2	60.3	43.7	28.8	17.3	9.4

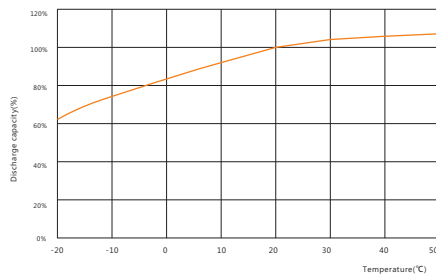
Performance Curve



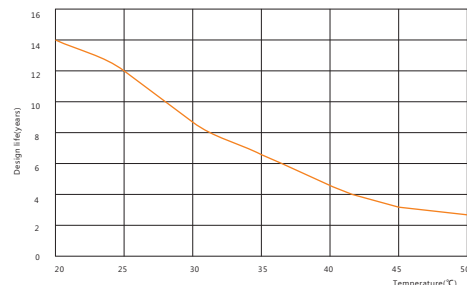
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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