

FTJ Series

6FTJ-125A 12V125Ah

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

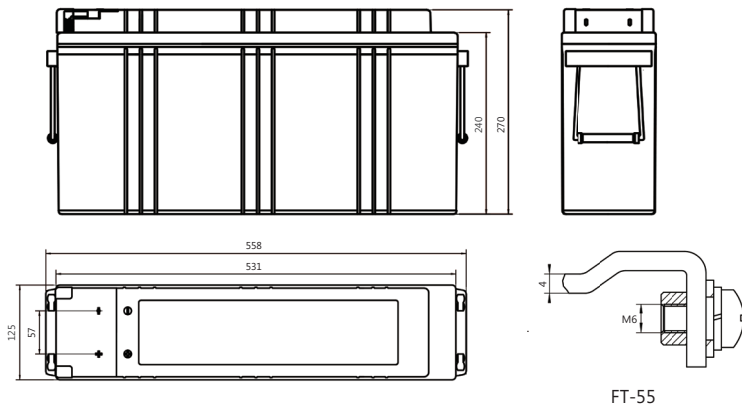
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

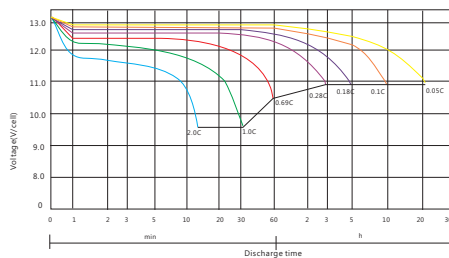
Battery Model	6FTJ-125A			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	20HR (6.68A, 1.75V)	10HR (12.5A, 1.80V)	5HR (21.25A, 1.80V)	1HR(62.5A, 1.80V)
	133.6	125	106.25	62.5
Dimensions (mm)	Length	Width	Height	Total Height
	558	125	270	270
Approx. Weight (kg)	45.7			
Reference Internal Resistance (mΩ)	4.37 (fully charged @ 25°C)			
Maximum Discharge Current (A/3 Sec.)	1015			
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: 25A		2.22 (-3.5mV/°C/cell)	
Short Circuit Current (A)	2500			

Discharge Data

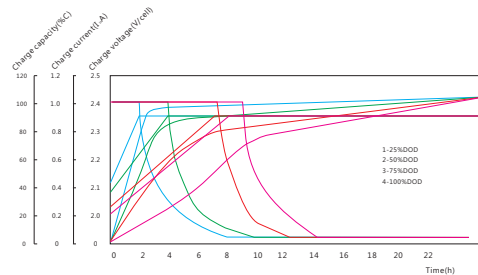
Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min						h						
	5	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	339	247	192	161	118	83.7	74.8	57.1	45.8	33.6	22.5	13.75	7.25
1.65	321	238	189	159	117	81.3	72.7	56.2	45.6	33.2	22.38	13.5	6.87
1.70	303	226	185	155	115	79.5	70.6	55.3	45.3	32.8	22	13.25	6.81
1.75	280	210	179	149	112	76.9	67.8	54.3	45.1	32.3	21.5	12.88	6.68
1.80	240	191	168	139	106	72.6	62.5	52.7	44.5	31.25	21.25	12.5	6.56

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	599	449	351	295	221	166	128	98.9	77.4	56.1	38	22.6	12
1.65	556	431	344	291	219	165	125	98.1	77.4	56.1	38	22.3	12
1.70	509	408	333	286	216	163	125	97.1	77.4	56.1	38	22.3	12
1.75	469	378	323	275	211	159	123	96.3	77.4	56.1	38	22.1	12
1.80	436	345	308	258	201	154	121	94	75.4	54.6	36	21.6	11.8

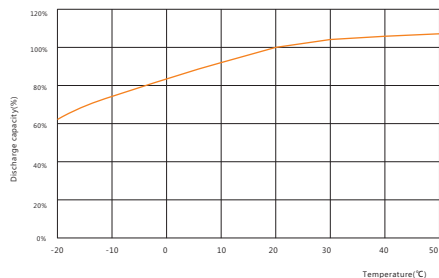
Performance Curve



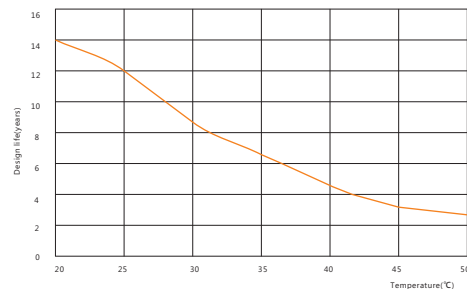
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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