ALPHA HOUSE powered by SACRED SUN

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 [illegible] 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 or PF micro-porous separator ensure Low self-discharge rate
- Easy installation and handling
- Centralized venting system

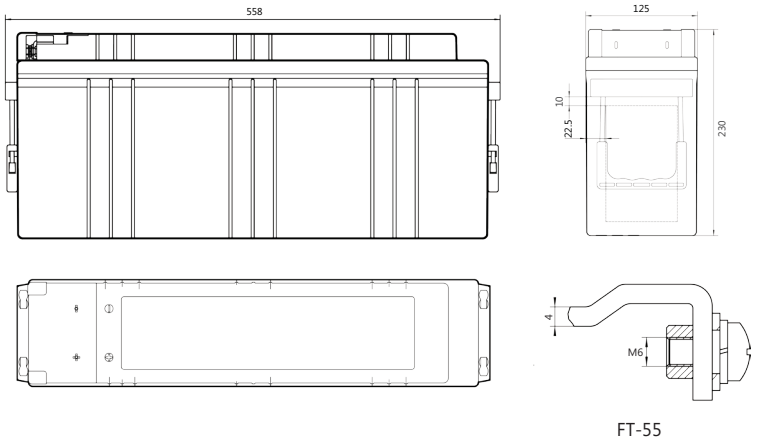
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



FT-55

Specifications

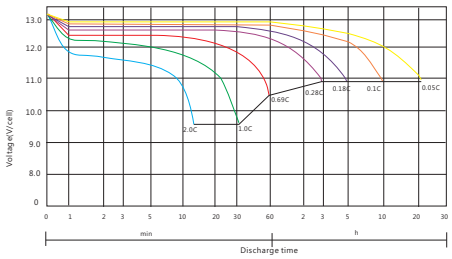
Battery Model	6FTJ-100A			
Design Life (years, 25℃)	12			
Capacity (Ah, 25℃)	20HR (5.31A, 1.8V)	10HR (10.0A, 1.80V)	5HR (17.0A, 1.80V)	1HR(50.0A, 1.80V)
	106.2	100	85	50
Dimensions (mm)	Length	Width	Height	Total Height
	558	125	230	230
Approx. Weight (kg)	34.6			
Reference Internal Resistance (mΩ)	5.4 (fully charged @ 25℃)			
Maximum Discharge Current (A/3 Sec.)	847			
Self-Discharge (25℃)	⩽2% per month			
Charge Voltage (V/cell, 25℃)	Cycle use		Float use	
	2.33 (-3.5mV/℃/cell), max charge current: 20A		2.22 (-3.5mV/℃/cell)	
Short Circuit Current (A)	2100			

Discharge Data

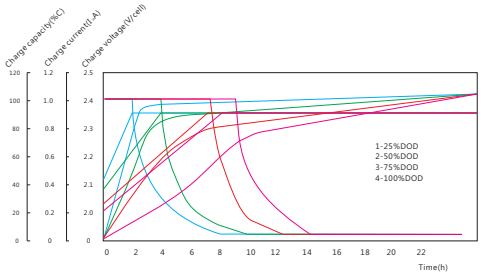
Constant Current Discharge Data (25℃, A)																
End Voltage (V/cell)	min						h									
	5	10	15	20	30	45	1	1.5	2	3	4	5	6	8	10	20
1.60	272	198	154	132	101	75.5	57.6	45.4	35.3	27.5	22.0	18.4	17.0	13.2	10.8	5.61
1.65	258	191	151	127	96.5	73.2	56.4	44.1	34.6	26.9	21.6	18.0	16.6	13.0	10.5	5.50
1.70	243	181	148	122	92.7	70.3	54.7	42.7	33.7	26.4	21.1	17.7	16.3	12.7	10.4	5.42
1.75	224	168	143	117	88.9	67.5	53.1	41.5	32.9	25.8	20.6	17.4	15.9	12.4	10.2	5.31
1.80	192	153	134	111	84.6	64.9	50.0	39.8	31.9	25.0	20.0	17.0	15.4	12.0	10.0	5.20

Constant Power Discharge Data (25℃, W/cell)																
End Voltage (V/cell)	min						h									
	5	10	15	20	30	45	1	1.5	2	3	4	5	6	8	10	20
1.60	470	345	270	233	178	133	103	81.3	63.2	49.8	40.3	34.0	31.5	24.8	20.7	10.9
1.65	448	334	266	225	172	130	101	79.4	62.6	49.3	40.0	33.5	31.1	24.5	20.4	10.8
1.70	424	323	262	218	167	127	99.6	78.1	61.7	48.7	39.5	33.1	30.9	24.1	20.4	10.7
1.75	397	303	258	214	164	124	97.7	76.7	61.2	48.2	39.0	32.9	30.5	23.8	20.2	10.7
1.80	352	279	246	206	158	121	94.0	75.2	60.6	47.8	38.4	32.5	29.9	23.4	20.0	10.6

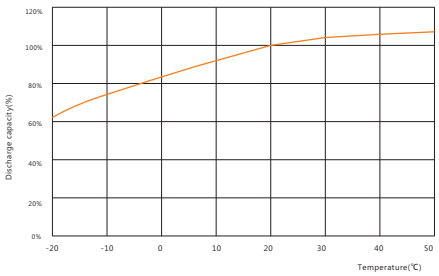
Performance Curve



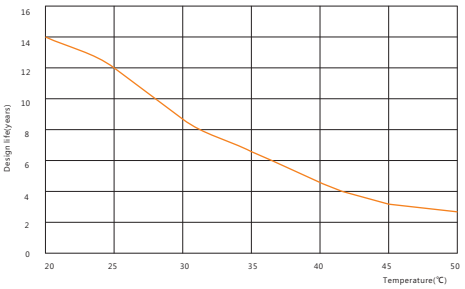
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

ISO9001 ISO14001 ISO18001 SA8000

Disclaimer: The manufacturer reserves the right to amend and/or vary the specifications and parameters of the product and apply updates accordingly at any time. It is the sole responsibility of the buyer and user of the product to ensure all applicable product specifications referred to are valid and up to date. All product specifications are available upon request. Batteries must be installed in accordance with standard BS EN IEC 62485-2:2018, and in accordance with manufacturer's guidelines. (available upon request)