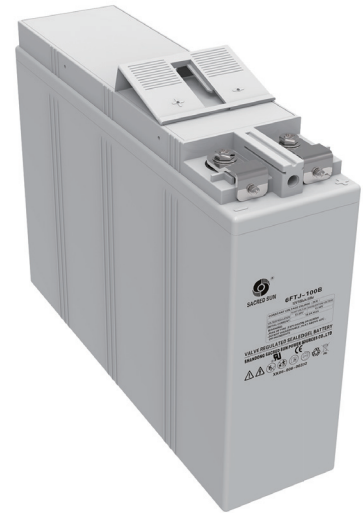


FTJ Series

6FTJ-100B 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

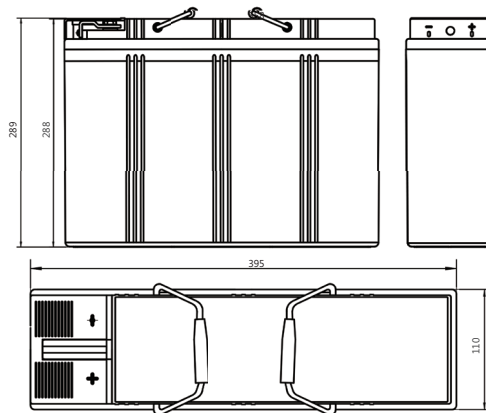
Applications

- Telecommunications
- Power system
- UPS
- Emergency power

Standards

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

Drawing



Specifications

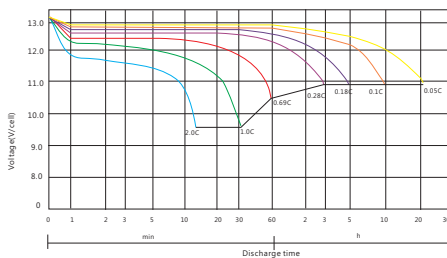
Battery Model	6FTJ-100B			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	20HR (5.0A, 1.75V)	10HR (9.0A, 1.80V)	5HR (15.3A, 1.80V)	1HR(45.0A, 1.80V)
	100	90	76.5	45
Dimensions (mm)	Length	Width	Height	Total Height
	395	110	288	288
Approx. Weight (kg)	33.8			
Reference Internal Resistance (mΩ)	5.5 (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: 18A		2.22 (-3.5mV/°C/cell)	
Short Circuit Current (A)	2100			

Discharge Data

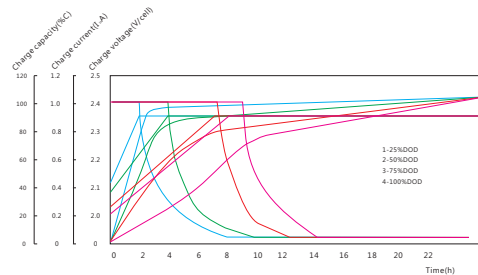
Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min						h						
	5	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	268.1	196.2	152.8	128.1	93.0	62.8	48	42.1	32.4	23.1	16.5	9.4	5.08
1.65	255.2	189.6	149.3	125.5	92.7	62.2	47.5	41.5	32.4	22.9	16.4	9.35	5.06
1.70	240.5	178.3	147.2	123.3	90.1	61.5	47	41	32.4	22.7	16.2	9.3	5.03
1.75	221.3	161.4	141.8	117.5	87.9	59.5	46	39.7	32.4	22.5	15.5	9.2	5.0
1.80	186.1	152.5	132.1	110.4	83.2	58	45	39.2	31.2	22.5	15.3	9.0	4.96

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	475.2	354.1	279.2	234.8	175.3	132.8	100.8	78.7	61.5	44.5	30.3	18	9.5
1.65	441.5	340.2	272.4	231.6	174.7	130.2	99.5	78.3	61.2	44.3	30.1	17.8	9.5
1.70	405	321.7	263.7	224.8	172.3	129	99	77	61	44	30	17.7	9.5
1.75	372.6	300.2	254.3	218.5	167.2	126.4	97.5	76	60.8	43.9	29.8	17.5	9.5
1.80	345.1	272.4	243.1	205.4	160.6	120.8	96.9	74.8	60.3	43.5	28.5	17.1	9.3

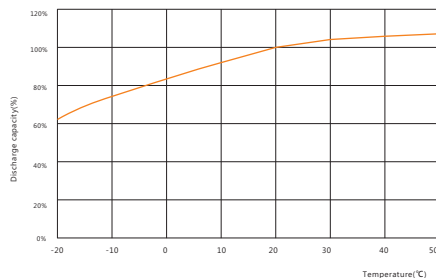
Performance Curve



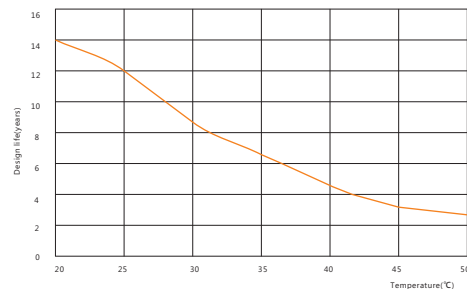
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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