

# FTJ Series

## 6FTJ-150A 12V150Ah

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-SiO<sub>2</sub> micro-porous separator ensure Low self-discharge rate
- Easy installation and handling
- Centralized venting system

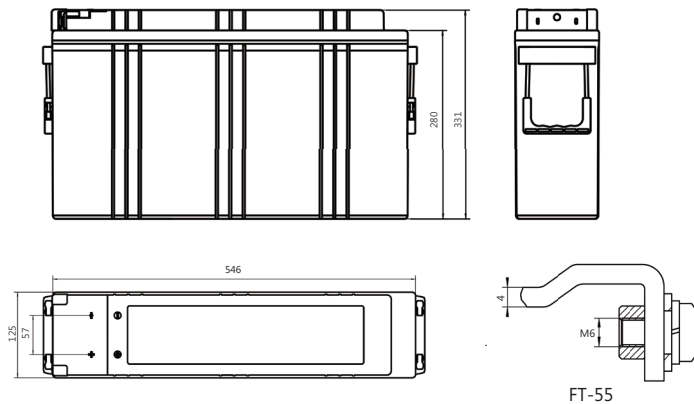
### Applications

- Telecommunications
- Power system
- UPS
- Emergency power

### Standards

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

### Drawing



### Specifications

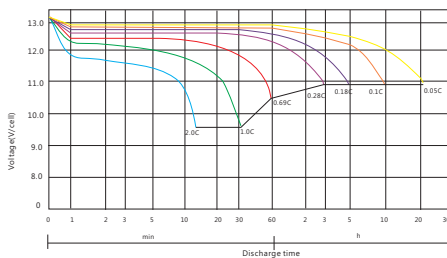
Battery Model	6FTJ-150A			
Design Life (years, 25°C)	12			
Capacity (Ah, 25°C)	20HR (8.02A, 1.75V)	10HR (15.0A, 1.80V)	5HR (25.5A, 1.80V)	1HR(75.0A, 1.80V)
	160.4	150	127.5	75.0
Dimensions (mm)	Length	Width	Height	Total Height
	546	125	311	311
Approx. Weight (kg)	53.7			
Reference Internal Resistance (mΩ)	4.33 ( fully charged @ 25°C)			
Maximum Discharge Current (A/3 Sec.)	1196			
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: 30A		2.22 (-3.5mV/°C/cell)	
Short Circuit Current (A)	3000			

## Discharge Data

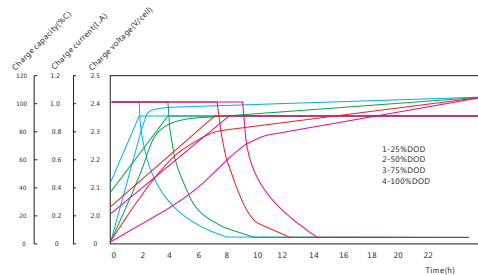
Constant Current Discharge Data (25°C, A)													
End Voltage (V/cell)	min						h						
	5	10	15	20	30	45	1	1.5	2	3	5	10	20
1.60	407	297	231	194	141	99	89.8	68.5	55.0	40.3	27.0	16.5	8.70
1.65	386	286	227	191	140	97	87.3	67.5	54.7	39.9	26.85	16.2	8.25
1.70	363	271	222	186	138	96	84.7	66.4	54.4	39.4	26.4	15.9	8.17
1.75	336	252	215	179	134	95	81.4	65.2	54.1	38.8	25.8	15.45	8.02
1.80	288	230	201	167	127	94.5	75.0	63.3	53.4	37.5	25.5	15.0	7.87

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	719	539	422	354	266	200	153	119	92.9	67.4	45.6	27.2	14.4
1.65	668	518	413	350	263	198	150	118	92.9	67.4	45.6	26.7	14.4
1.70	611	489	399	344	260	195	150	117	92.9	67.4	45.6	26.7	14.4
1.75	563	453	387	330	254	191	147	116	92.9	67.4	45.6	26.6	14.4
1.80	524	414	369	309	242	185	145	113	90.5	65.6	43.2	26	14.1

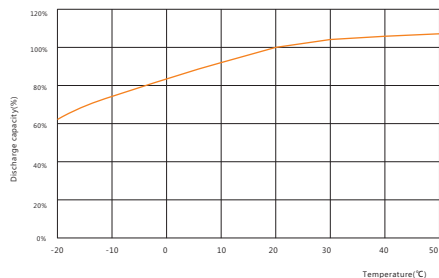
## Performance Curve



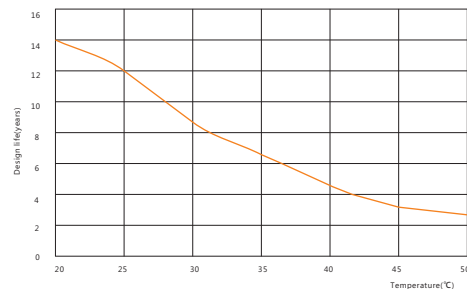
Discharge voltage vs. discharge time



Charge capacity vs. charge time



Discharge capacity vs. temperature



Design life vs. temperature

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