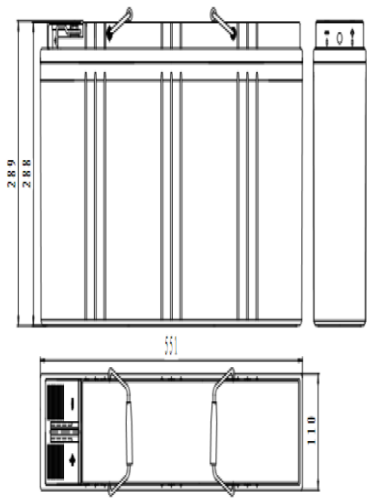
Front Terminal Deep Discharge /6FTDD-150B

Front Terminal Deep Discharge Battery (FTDD) is a valve - regulated lead acid batteries with high performance at deep discharge, thanks to the pure GEL technology preventing any leakage and layering on its electrodes. FTTD from its design concept without discharging memory fits telecom applications, as well as UPS, solar & wind applications. The low resistance PVC-SiO2 micro-porous separator ensure low self-discharging rate, and maximum charging efficiency. The advanced Nano-technology, and centralized vented system enables us to achieve a 12 years life time



Applications:

- Telecommunications
- Emergency Power
- Power System
- Solar & Wind
- UPS

Attain Certificates:

- ISO9001
- ISO14001
- ISO18001
- CE

TECHNICAL SPECIFICATIONS

Battery Model	6FTDD-150B
Designed Life (Year, 25℃)	12
Capacity (Ah, 25℃)	20HR (7.1A,1.75V) : 142Ah
	10HR(13.5A,1.80V): 135Ah
	5HR (15.3A,1.80V) : 115Ah
	1HR (67.5A,1.80V) : 67.5Ah
Dimensions (mm)	Length : 551
	Width :110
	Height :288
	Total Height :288
Approx. Weight (kg)	45
Internal Resistance (mΩ)	4.33
Maximum Discharge Current (A/3 Sec.)	1196
Self-Discharge (25℃)	≤2% per months
Charge Voltage (V/cell, 25℃)	Cycle use : 2.33 (-3.5mV/℃/cell), max charge current:27A
	Float use : 2.22 (-3.5mV/℃/cell)

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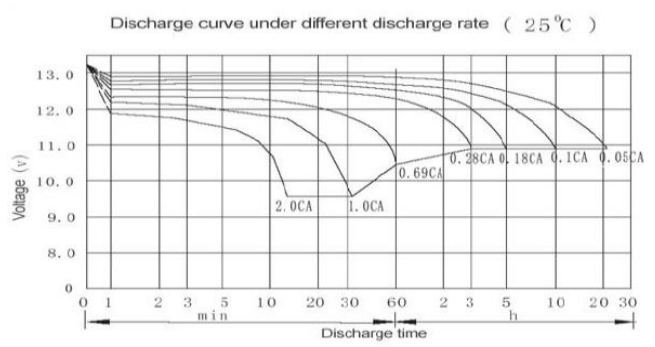
Constant current discharge data (25℃, A)

End voltage (V/Cell)	5min	10min	15min	20min	30min	45min	1hr	1.5hr	2hr	3hr	5hr	10hr	20hr
1.60	385	281	218	183	133	94.5	73.0	60.7	46.5	34.0	26.1	14.0	7.1
1.65	365	270	215	180	132	92	71.5	59.8	46.5	34.0	25.5	13.9	7.1
1.70	343	256	210	176	130	90.4	69.0	59.0	46.5	34.0	24.7	13.9	7.1
1.75	318	238	203	169	127	89.2	68.5	58.0	46.5	33.9	23.5	13.7	7.1
1.80	272	217	190	158	120	86.5	67.5	56.3	45.1	33.75	23.0	13.5	6.8

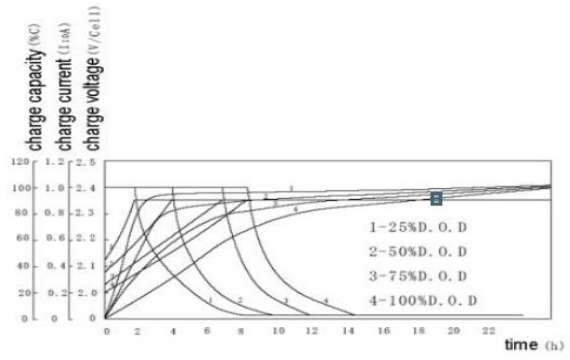
Constant power discharge data (25℃, W/cell)

End voltage (V/Cell)	5min	10min	15min	20min	30min	45min	1hr	1.5hr	2hr	3hr	5hr	10hr	20hr
1.60	679	509	399	335	251	189	145	112	87.8	63.7	43.1	25.7	13.6
1.65	631	490	390	331	249	187	142	112	87.8	63.7	43.1	25.2	13.6
1.70	577	462	377	325	246	184	142	111	87.8	63.7	43.1	25.2	13.6
1.75	532	428	366	312	240	180	139	110	87.8	63.7	43.1	25.1	13.6
1.80	495	391	349	292	229	175	137	107	85.5	62.0	40.8	24.6	13.3

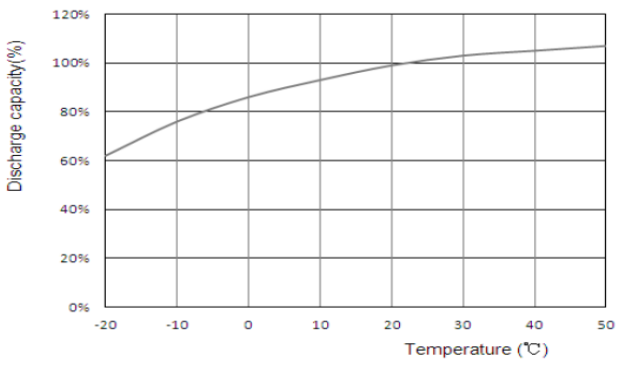
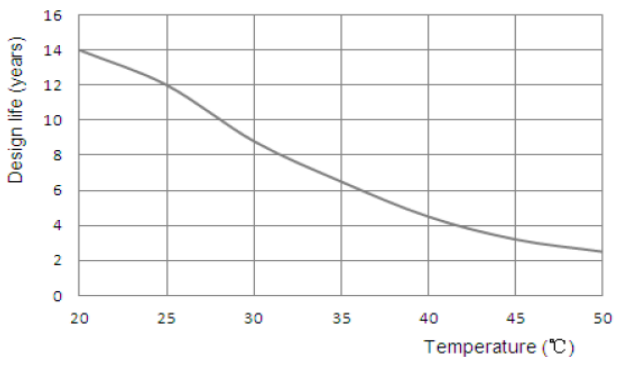
Discharge voltage vs. discharge time



Charge vs. discharge depth



Discharge capacity vs. temperature



Design life vs. temperature