



GEL Technology
ABT GEL FTJ Series

Complying standards:

IEC60896-21/22:2004
DIN43539-T5
YD/T1360-2005

6FTJ-150B

12V135Ah(10hr)



ABT-FTJ series are narrow width and front terminal design with poles and gas venting collection system placed in the front of battery container, less space and more compact, convenient for installation, maintenance and inspection mostly used in telecommunication, power supply system, energy storage, UPS and EPS system, etc. This series can be specially applied to international standard footprint 19', rack or cabinet.

Mechanical Characteristics

	SI Unit	EN Unit
Length	551mm	21.69inch
Width	110mm	4.33inch
Height	288mm	11.34inch
Total Height	288mm	11.34inch
Approx. Weight	45.0kg	99.0lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

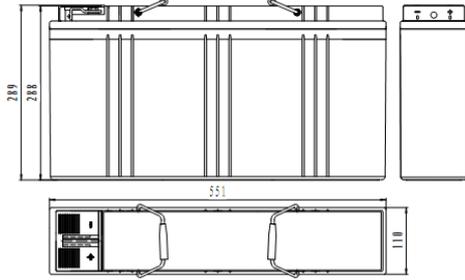
Product Characteristics

- 12 years life expectancy in float service at 68°F(20°C)
- 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

Performance Characteristics

- Rated voltage: 12V (6 cells)
- Rated capacity at 68°F(20°C)
 - 10h rate (13.5A, 10.8V) 135Ah
 - 5h rate(23.3A, 10.8V) 116.5Ah
 - 1h rate(69A, 10.5V) 69Ah
- Internal resistance:
 - 4.33mΩ when fully charged at 68°F(20°C)
- Average self-discharge rate:
 - ≤2% per month 68°F(20°C)
- Maximum discharge current:
 - 1196A(3s) at 68°F(20°C)
- Working temperature range:
 - Discharge: -20~55°C
 - Charge: -10~55°C
 - Storage: -20~55°C
- Charging method:
 - with constant voltage at 68°F(20°C)
 - Maximum charge current: 27A
 - Temperature compensation:
 - 21mV/°C/piece
 - Cycle use: 14.10 V/ piece
 - Standby use: 13.44 V/ piece

Dimensions/Terminal



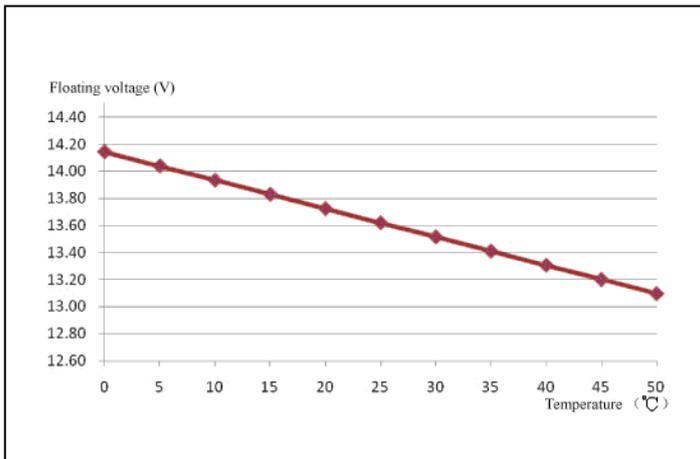
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	385	281	229	192	146.0	100.0	78.0	64.7	49.5	39.2	25.8	14.8	7.93
1.65	365	270	219	185	141.0	96.3	74.3	63.3	48.0	38.1	25.2	14.5	7.78
1.70	343	256	209	176	135.0	92.3	71.9	61.5	46.6	36.5	24.3	14.2	7.65
1.75	318	238	201	167	130.0	89.3	69.0	59.6	45.3	36.0	23.7	13.9	7.50
1.80	272	217	191	158	123.0	84.1	65.6	57.3	43.5	34.9	23.3	13.5	7.20

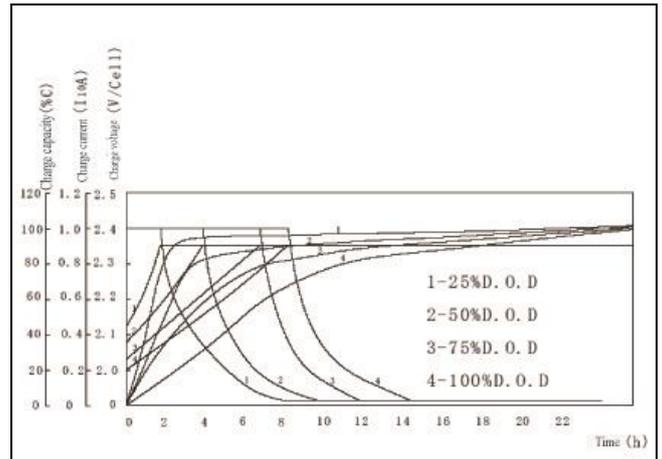
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
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	40.8	24.6	13.3

Floating Charge Voltage vs. Temperature



Cycle charge characteristic curve (at 20°C/68 °F)



Contact information

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ABT VRLA Battery: Available power range from 26Ah to 3000Ah.

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