



GEL Technology
ABT GEL FTJ Series

Complying standards:

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

6FTJ-150A

12V150Ah(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 23', rack or cabinet.

Mechanical Characteristics

	SI Unit	EN Unit
Length	546mm	21.50inch
Width	125mm	4.92inch
Height	311mm	12.24inch
Total Height	311mm	12.24inch
Approx. Weight	53.7kg	118.14lbs

Type of material for container and lids:

ABS Standard (FV0 Optional)

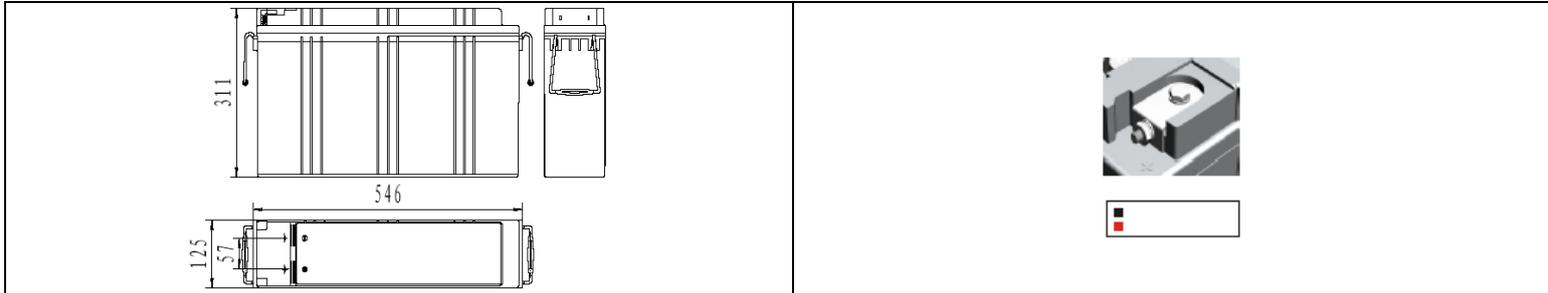
Product Characteristics

- 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 (15.0A, 10.8V) 150Ah
 - 5h rate(25.5A, 10.8V) 127.5Ah
 - 1h rate(79.7A, 10.5V) 79.7Ah
- 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: 30A
 - Temperature compensation:
 - 21mV/°C/piece
 - Cycle use: 14.10 V/ piece
 - Standby use: 13.44 V/ piece

Dimensions/Terminal



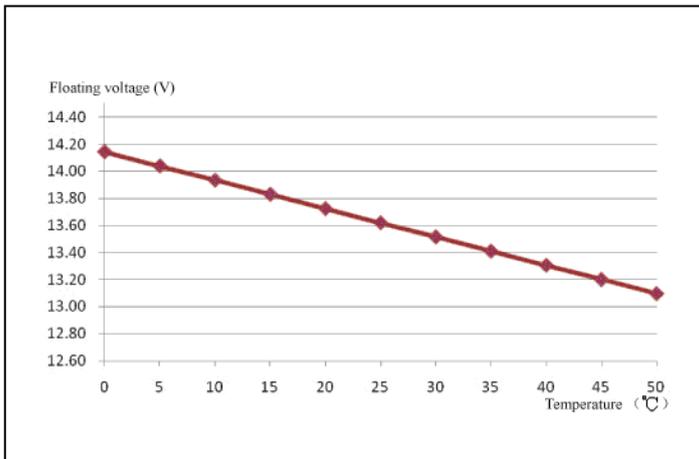
Constant Current Discharge Data (Ampere at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	407	297	231	198	152	113	86.4	68.1	53.0	41.2	27.6	16.1	8.42
1.65	386	287	227	191	145	110	84.6	66.2	51.9	40.4	27.0	15.8	8.25
1.70	364	272	222	183	139	105	82.1	64.1	50.6	39.5	26.6	15.6	8.13
1.75	337	252	215	175	133	101	79.7	62.2	49.3	38.7	26.1	15.3	7.96
1.80	289	230	202	167	127	97	75.0	59.7	47.9	37.5	25.5	15.0	7.80

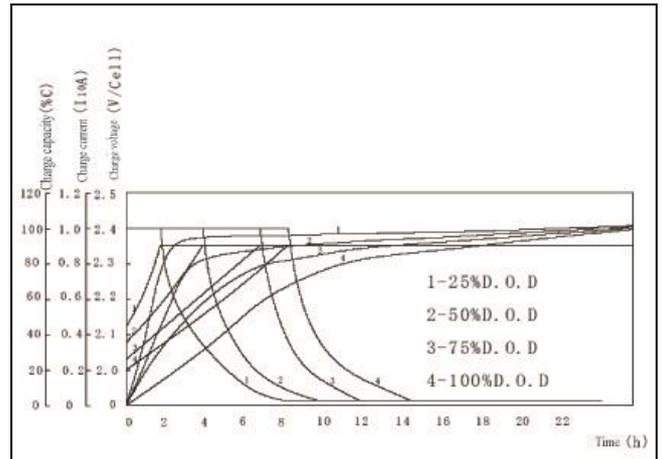
Constant Power Discharge Data (Watts per cell at 20°C/68 °F)

End Volt	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	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

Floating Charge Voltage vs. Temperature



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



Contact information

Advanced Battery Technology BV
 Add. New Yorkstraat 14 1175 RD Lijnden Amsterdam, Netherland
 Web: <http://www.abtbatt.com> Email: sales@abtbatt.com

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

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