

FT GEL150-12 12V150AH

FT GEL SERIES-Front Terminal VRLA Battery



Specification

Nominal Voltage	12V		
Nominal Capacity(10HR)	150AH		
Dimension	Length	567	±2mm (22.32 inches)
	Width	110	± 2mm (4.33inches)
	Container Height	287	±2 mm (11.30inches)
	Total Height (with Terminal)	296	±2mm (11.65inches)
Approx Weight	Approx 44.5 Kg (98.23 lbs)		
Terminal	T13		
Container Material	ABS		
Rated Capacity	157.7 AH/7.88A	(20hr , 1.80V/cell,25°C/77°F)	
	150.0 AH/15.0A	(10hr, 1.80V/cell,25°C/77°F)	
	143.5 AH/17.9A	(8hr, 1.80V/cell,25°C/77°F)	
	134.0 AH/26.8A	(5hr, 1.75V/cell,25°C/77°F)	
	99.3 AH/99.3A	(1hr, 1.67V/cell,25°C/77°F)	
Max. Discharge Current	1200A (5s)		
Internal Resistance	Approx 3.0 mΩ		
Operating Temp.Range	Discharge: -20 ~ -60°C (- 4 ~ 144 ℉)		
	Charge: -10 ~ -60°C (14 ~ 144 ℉)		
	Storage -20 ~ -60°C (- 4 ~ 144 ℉)		
Nominal Operating Temp. Range	25±3°C (77±5°F)		
Cycle Use	Initial Charging Current less than 45 A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C		
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C		
Capacity affected by Temperature	40°C (104 °F)	103%	
	25°C (77 °F)	100%	
	0°C (32 °F)	86%	
Self Discharge	FT series UD batterys may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		

Applications

- ◆ For standard 19 inches or 23 inches power cabinets
- ◆ Network connection equipment of communication system
- ◆ Power system of special network or local area network
- ◆ UPS, standby power supply
- ◆ Power station systems
- ◆ Railway and marine systems

ISO 9001	ISO 14001	OHSAS 18001	TLC
CE	RoHS	UL	PV Battery

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	260.9	217.5	186.6	146.4	113.5	92.3	55.0	39.6	31.8	26.3	22.9	17.85	14.89	7.89
1.80V/cell	295.8	242.4	206.6	160.2	122.1	98.5	58.0	42.2	33.5	27.7	24.1	18.75	15.57	8.25
1.75V/cell	324.6	262.3	220.4	168.3	126.8	102.0	59.2	42.8	34.3	28.3	24.5	18.98	15.75	8.37
1.70V/cell	347.2	276.3	229.3	173.2	129.7	103.4	60.0	43.3	34.5	28.5	24.8	19.25	15.90	8.43
1.67V/cell	359.3	283.1	234.1	175.4	130.2	103.8	60.2	43.5	34.8	28.8	25.1	19.50	16.05	8.48
1.60V/cell	377.7	294.0	244.5	179.9	133.6	106.5	61.2	44.4	35.6	29.6	25.5	19.95	16.35	8.52

Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	487.1	410.2	355.5	281.9	220.4	179.8	108.0	78.0	62.8	52.2	45.5	35.6	29.8	15.78
1.80V/cell	545.8	451.0	387.8	303.8	235.3	190.9	113.1	82.6	65.8	54.6	47.6	37.3	31.1	16.48
1.75V/cell	589.5	482.2	409.9	316.6	242.0	196.8	114.9	83.5	67.2	55.7	48.2	37.6	31.4	16.70
1.70V/cell	616.5	500.9	423.2	324.1	246.7	198.8	116.2	84.2	67.5	55.8	48.7	38.1	31.7	16.81
1.67V/cell	635.4	511.2	430.2	327.6	246.8	199.2	116.4	84.5	67.9	56.4	49.2	38.6	31.9	16.88
1.60V/cell	649.5	520.3	443.1	331.5	250.5	202.4	117.3	85.7	69.0	57.6	49.9	39.4	32.5	16.95

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.