

## FTG12-150Ah

Valve-regulated lead-acid battery



# FRONT TERMINAL SERIES

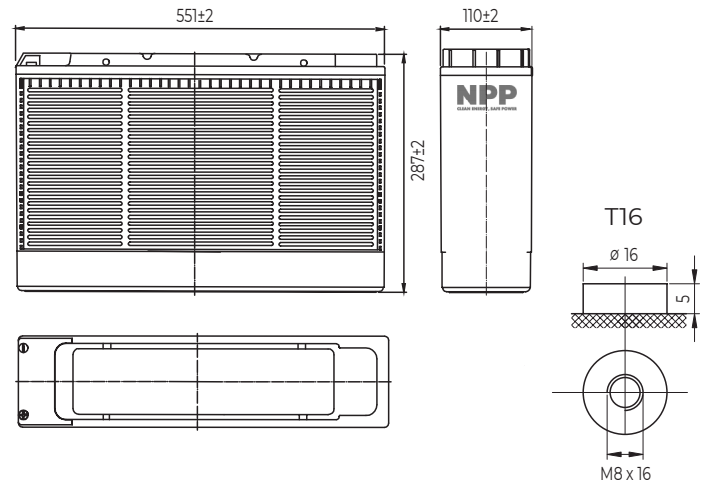
### Characteristics

Nominal voltage	12V (6 cells per unit)	
Nominal capacity at 10 hours rate/10.8V (25°C)	150Ah	
Capacity (25°C)	20 Hours rate/10.8V	159Ah
	5 Hours rate/10.8V	123.5Ah
Terminal type	T16	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	4.5 mΩ	
Dimensions	Length	551±2mm (21.69inch)
	Width	110±2mm (4.33inch)
	Height	287±2mm (11.30inch)
	Total height	287±2mm (11.30inch)
Design Life (stand-by)	JIS at 25°C	12 years
	Eurobat at 20°C	10/12 years
Weight	47.50kg (104.72lbs)±3%	
Nominal operating temperature	25°C±3 (77±5°F)	
Operating temperature range	Discharge	-15°C~50°C (5°F~122°F)
	Charge	-10°C~50°C (14°F~122°F)
	Storage	-20°C~50°C (-4°F~122°F)
Float charging voltage at 25°C	13.5V~13.8V	
Cyclic charging voltage at 25°C	14.4V~14.7V	
Temperature compensation	Float charge	-18mV/°C/Block
	Cycle charge	-30mV/°C/Block
Max. charging current (A)	30A	
Max. discharge current for 5 seconds	1050A	
Self discharge rate (25°C)	≤3%/month	
Battery container ABS UL94-HB	V-0 optional	

### Overview

NPP Power Front Terminal Series batteries are mainly used in the area of communication. By adopting a new AGM separator and centralized venting system, the battery can be installed in different positions while maintaining high reliability.

### Dimensions & Terminal Type (mm)



### Certification & Compliances



Compliant to: EUROBAT, RoHS, WEEE's and Reach.  
Manufactured according to IEC 60896-21 / 22

### Construction

Component	Positive Plate	Negative plate	Container	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS (V-0 opt.)	AGM	Sulfuric Acid Gel	Rubber	Copper

### Constant current discharge characteristics at 25°C

(Ampere/battery)

F.V/Time	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	235	143	88.2	54.8	39.0	30.6	26.0	23.0	18.4	15.3	8.09
9.90V	230	140	86.9	54.5	38.8	30.4	25.9	22.8	18.3	15.2	8.08
10.2V	221	135	84.7	54.0	38.5	30.2	25.7	22.7	18.1	15.2	8.05
10.5V	214	132	82.0	53.2	38.3	30.0	25.5	22.5	18.0	15.1	8.01
10.8V	202	127	79.4	51.8	37.5	29.1	24.7	21.8	17.5	15.0	7.95

### Constant power discharge characteristics at 25°C

(Watts/battery)

F.V/Time	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	2582	1600	1005	635	459	360	307	271	218	182	97.1
9.90V	2521	1568	990	631	456	358	306	270	217	182	96.9
10.2V	2428	1520	965	625	453	355	304	268	215	181	96.6
10.5V	2345	1483	935	616	450	353	301	266	214	180	96.1
10.8V	2221	1429	905	600	441	342	292	258	207	179	95.4

The above characteristics represent average values and can be obtained within three charge and discharge cycles. The batteries must be fully charged before testing. The data in this document is subject to change without notice and become contractual only after written confirmation. Please contact NPP Power for the latest available version.

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