

FT12-150Ah

Valve-regulated lead-acid battery



FRONT TERMINAL SERIES

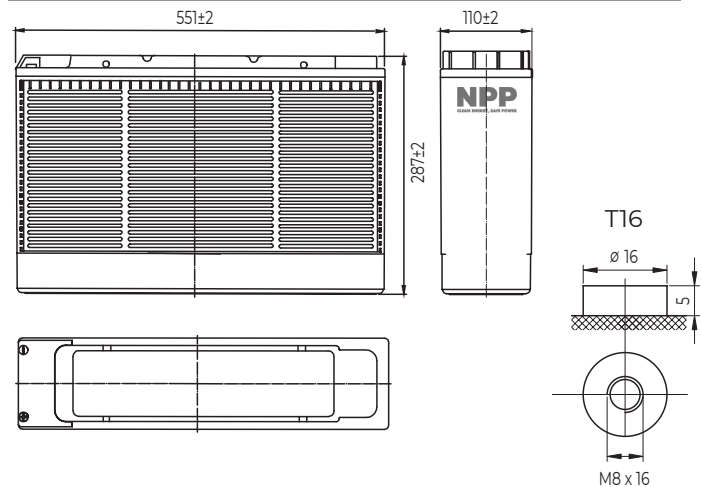
Characteristics

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	128Ah
Terminal type	T16	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	4.0 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 (104.70lbs)±3%	
Nominal operating temperature	25°C±3 (77°F±5)	
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	14.5V~15.0V	
Temperature compensation	Float charge	-18mV/°C/Block
	Cycle charge	-30mV/°C/Block
Max. charging current (A)	45A	
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. Available in gel technology also.

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	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	247	148	90.8	54.8	39.5	31.5	26.9	23.4	18.5	15.3	8.09
9.90V	241	145	89.5	54.5	39.2	31.3	26.8	23.3	18.4	15.2	8.08
10.2V	232	140	87.2	54.0	39.0	31.1	26.6	23.1	18.3	15.2	8.05
10.5V	224	137	84.5	53.2	38.7	30.9	26.4	23.0	18.2	15.1	8.01
10.8V	212	132	81.8	51.8	37.5	30.0	25.6	22.3	17.6	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	2712	1658	1036	635	464	371	318	277	220	182	97.1
9.90V	2647	1624	1020	631	461	368	316	275	219	182	96.9
10.2V	2549	1575	994	625	458	366	314	273	217	181	96.6
10.5V	2462	1537	963	616	455	363	312	271	216	180	96.1
10.8V	2332	1480	932	600	441	352	303	263	209	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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