



NPG6-150Ah

Valve-regulated lead-acid battery



DEEP CYCLE GEL SERIES

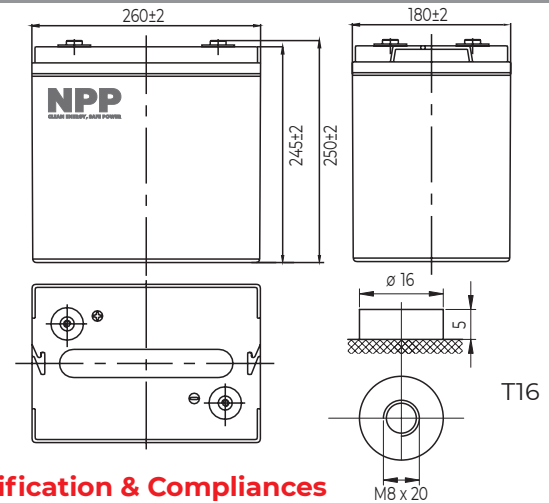
Characteristics

Nominal voltage	6V (3 cell per unit)	
Nominal capacity at 10 hours rate/5.4V (25°C)	150Ah	
Capacity (25°C)	20 Hours rate/5.4V	159Ah
	5 Hours rate/5.4V	123.5Ah
Terminal type	T16	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	2.5 mΩ	
Dimensions	Length	260±2mm (10.24inch)
	Width	180±2mm (7.09inch)
	Height	245±2mm (9.65inch)
	Total height	250±2mm (9.84inch)
Design Life (stand-by)	JIS at 25°C	12 years
	Eurobat at 20°C	10/12 years
Weight	25.50kg (56.20lbs)±3%	
Nominal operating temperature	25±3°C (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	6.75V~6.90V	
Cyclic charging voltage at 25°C	7.20V~7.35V	
Temperature compensation	Float charge	-9 mV/°C/Block
	Cycle charge	-15 mV/°C/Block
Max. charging current (A)	30A	
Max. discharge current for 5 seconds	1200A	
Self discharge rate (25°C)	≤3%/month	
Battery container ABS UL94-HB	V-0 optional	

Overview

NPP Power AGM GEL Series are manufactured following the highest demands in the deep cycle and renewable energy applications. The batteries use colloidal or foamed silica gel to immobilize the electrolyte, which further enhances the cycling stability. Available in top and front terminal types.

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	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	293	240	146	90.0	54.8	39.0	30.6	26.0	18.4	15.3	8.09
4.95V	284	234	143	88.7	54.5	38.8	30.4	25.9	18.3	15.2	8.08
5.10V	272	226	138	86.4	54.0	38.5	30.2	25.7	18.1	15.2	8.05
5.25V	260	218	135	83.7	53.2	38.3	30.0	25.5	18.0	15.1	8.01
5.40V	246	206	130	81.0	51.8	37.5	29.1	24.7	17.5	15.0	7.95

Constant power discharge characteristics at 25°C

(Watts/battery)

F.V/Time	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
4.80V	1580	1318	816	513	317	229	180	154	109	91.2	48.6
4.95V	1532	1286	800	505	315	228	179	153	108	91.0	48.5
5.10V	1469	1239	775	492	313	226	178	152	108	90.7	48.3
5.25V	1406	1196	757	477	308	225	176	151	107	90.2	48.0
5.40V	1327	1133	729	462	300	220	171	146	104	89.6	47.7

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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