



## NPG2-1500Ah

Valve-regulated lead-acid battery



## DEEP CYCLE GEL SERIES

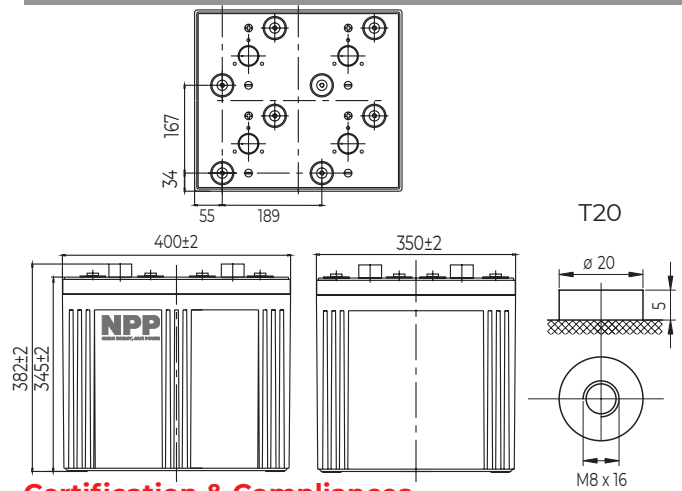
### Characteristics

Nominal voltage	2V (2 cells per unit)	
Nominal capacity at 10 hours rate/1.8V (25°C)	1500Ah	
Capacity (25°C)	20 Hours rate/1.8V	1576Ah
	5 Hours rate/1.8V	1220Ah
Terminal type	T20	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	0.23 mΩ	
Dimensions	Length	400±2mm (15.75inch)
	Width	350±2mm (13.78inch)
	Height	345±2mm (13.58inch)
	Total height	382±2mm (15.04inch)
Design Life (stand-by)	JIS at 25°C	18 years
	Eurobat at 20°C	>12 years
Weight	96.50kg (212.70 lbs)±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	2.25V~2.30V	
Cyclic charging voltage at 25°C	2.40V~2.45V	
Temperature compensation	Float charge	-3 mV/°C/cell
	Cycle charge	-5 mV/°C/cell
Max. charging current (A)	300A	
Max. discharge current for 5 seconds	7500A	
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	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V/cell	1305	900	540	392	309	257	226	181	153	80.2	68.9
1.65V/cell	1279	882	537	389	307	256	225	179	152	80.0	68.7
1.70V/cell	1240	855	533	387	305	254	224	178	152	79.8	68.5
1.75V/cell	1210	837	525	384	303	252	222	177	151	79.3	68.1
1.80V/cell	1165	810	511	376	294	244	215	172	150	78.8	67.7

### Constant power discharge characteristics at 25°C

(Watts/battery)

F.V/Time	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V/cell	2440	1710	1043	768	606	506	446	359	304	160	138
1.65V/cell	2392	1676	1037	763	602	503	443	357	303	160	138
1.70V/cell	2318	1625	1028	758	598	500	440	355	302	160	138
1.75V/cell	2262	1590	1012	753	594	496	437	352	301	159	137
1.80V/cell	2179	1539	987	738	576	482	424	342	299	158	136

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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