

NP2-1500Ah

Valve-regulated lead-acid battery



GENERAL PURPOSE SERIES

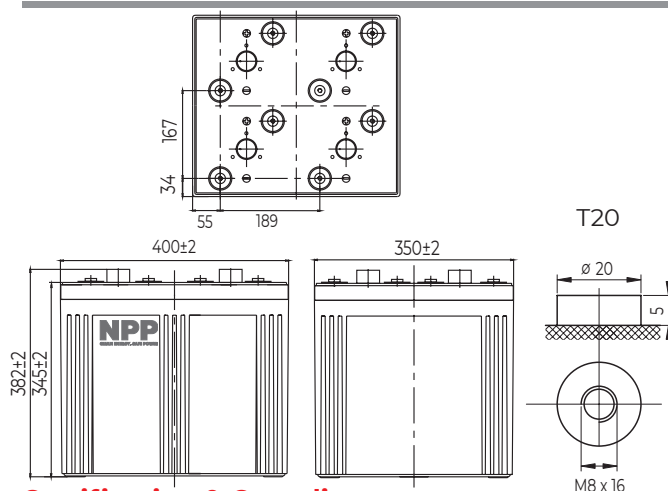
Characteristics

Nominal voltage	2V (1 cell per unit)	
Nominal capacity at 10 hours rate/1.80V (25°C)	1500Ah	
Capacity (25°C)	20 Hours rate/1.80V	1590Ah
	5 Hours rate/1.80V	1300Ah
Terminal type	T20	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	0.20mΩ	
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	15 years
	Eurobat at 20°C	>12 years
Weight	93.00kg (205.00lbs)±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	2.25V~2.30V	
Cyclic charging voltage at 25°C	2.40V~2.50V	
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 General Purpose series batteries are designed with state-of-the-art AGM (absorbent glass mat) technology, high-performance plates and electrolyte. With excellent value and characteristics, this range is suitable for all general purpose applications.

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	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V/cell	1365	945	553	398	318	274	236	186	153	80.9	69.3
1.65V/cell	1338	917	549	395	316	272	234	185	153	80.8	69.2
1.70V/cell	1297	888	545	393	314	270	233	184	153	80.5	69.0
1.75V/cell	1265	860	536	390	312	269	231	182	152	80.1	68.6
1.80V/cell	1219	832	523	378	303	260	224	177	151	79.5	68.1

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	2553	1796	1067	780	624	540	464	370	305	162	139
1.65V/cell	2501	1742	1060	775	620	536	461	368	305	162	139
1.70V/cell	2425	1688	1051	770	616	533	458	365	304	161	139
1.75V/cell	2366	1634	1035	764	612	529	455	363	302	160	138
1.80V/cell	2279	1580	1009	741	593	513	441	352	300	159	137

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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