

NPD2-1500Ah

Valve-regulated lead-acid battery



DEEP CYCLE SERIES

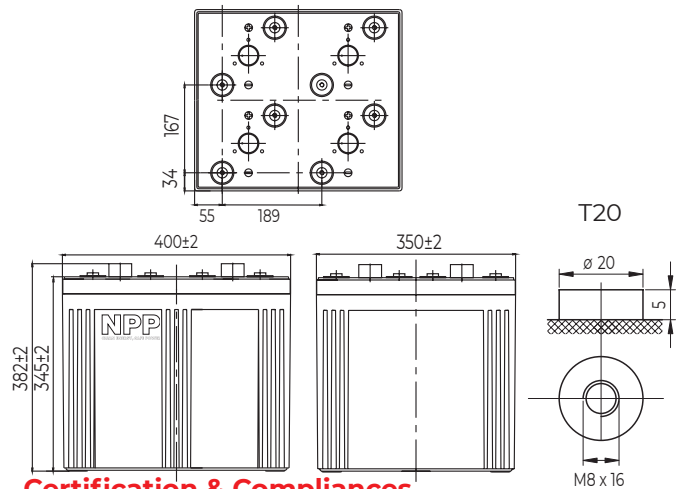
Characteristics

Nominal voltage	2V (2 cells per unit)	
Nominal capacity at 10 hours rate/1.8V (25°C)	1570Ah	
Capacity (25°C)	20 Hours rate/1.8V	1654Ah
	5 Hours rate/1.8V	1355Ah
Terminal type	T20	
Torque	12.3±2.5N.m	
Approx. internal resistance (25°C)	0.20 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	15 years
	Eurobat at 20°C	>12 years
Weight	96.50kg (212.70lbs)±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~2.50V	
Temperature compensation	Float charge	-3 mV/°C/Cell
	Cycle charge	-5 mV/°C/Cell
Max. charging current (A)	300.0A	
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 Deep Cycle Series are manufactured specifically to provide outstanding performance in deep cycling applications. The batteries are designed using enhanced alloy contents plates and active paste materials.

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	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr	24hr
1.60V/cell	1420	983	575	414	331	285	245	193	160	84.2	72.1
1.65V/cell	1391	953	571	411	329	283	244	192	159	84.0	72.0
1.70V/cell	1349	924	566	408	327	281	242	191	159	83.8	71.7
1.75V/cell	1316	894	558	406	324	279	240	190	158	83.3	71.3
1.80V/cell	1268	865	544	393	315	271	233	184	157	82.7	70.8

Constant power discharge characteristics at 25°C

(Watts/battery)

F.V/Time	30min	60min	2hr	3hr	4hr	5hr	6hr	8hr	10hr	20hr	24hr
1.60V/cell	2655	1867	1109	811	649	561	483	385	318	168	145
1.65V/cell	2602	1811	1103	806	645	558	480	382	317	168	145
1.70V/cell	2522	1755	1093	801	640	554	477	380	316	168	144
1.75V/cell	2461	1699	1077	795	636	550	473	377	314	167	143
1.80V/cell	2371	1643	1049	771	617	534	459	366	312	165	142

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.

NPP Power (Vietnam) Co., Ltd.

Lot A22.3, Road C4, Thanh Thanh Cong Industrial Zone,
An Hoa Ward, Trang Bang Town, Tay Ninh Province,
Vietnam

Guangzhou NPP Power Co., Ltd.

No.67 Lianglong Road, Huashan Town, Huadu District,
Guangzhou, China
Email: info@nppower.com.cn Tel. +86 20 37887 390