

NPL200L (VRLA AGM BATTERY)

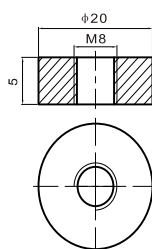
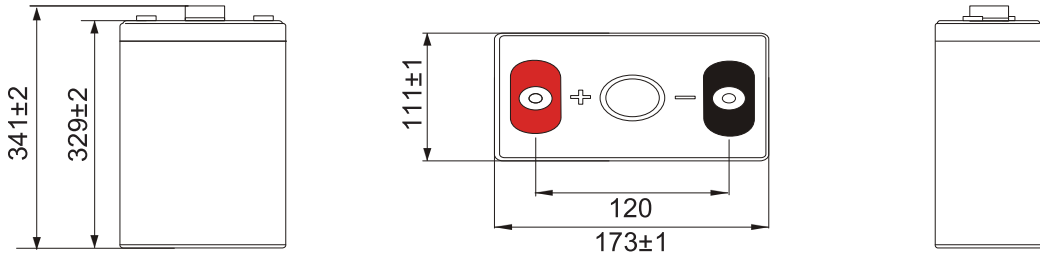
2V 200Ah



Neutron Power NPL series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container and cover are available both in V0 class flame retardant ABS or HBO ABS plastics too.

Neutron Power batteries meet the standards JIS, DIN, IEC60896-21/22 & BS6290-4. We have obtained ISO9001 & ISO14001 certification, UL approval (MH46127) and CE approval for all types of batteries. All these render our batteries to be compatible with requirements of world-level equipments.

Performance Characteristics		
General Information	Length	173mm (6.81 inch)
	Width	111mm (4.37 inch)
	Height	329mm (12.96 inch)
	Total Height (with removeable cover)	364mm (14.3 inch)
	Approx Weight	14.2 Kg
	Nominal Voltage	2 Volt
	Number of Cells	1
	Nominal Capacity (10 hour rate)	200 Ah
	Design float life expectancy under normal operation conditions at 25°C	20 Years
	Terminal	M8
Casing Material	Standard (ABS)	
	Optional - V0 Class Flame Retardant (ABS)	
Nominal Capacity 77°F (25°C)	10 hour rate (20.0A, 1.80V)	200 Ah
	5 hour rate (36.3A, 1.75V)	181.5 Ah
	1 hour rate (124.0A, 1.60V)	124 Ah
Internal Resistance	Fully Charged Battery 77°F (25°C) ≤ 0.8 mOhms	
Self Discharge	3% of capacity declined per month at 20°C (average)	
Operating Temperature Range	Discharge	-20 ~ 60°C
	Charge	-10 ~ 60°C
	Storage	-20 ~ 60°C
Max. Discharge 77°F (25°C)	1000A (5s)	
Short Circuit Current	---	
Charge Methods	Constant Voltage Charge 77°F (25°C)	
	Cycle use 2.40 - 2.45VPC	
	Standby use 2.20 - 2.30VPC	
	Temperature compensation -20mV/°C	
	Maximum charging current 40A	
Battery Certification	 MH46127 UL CERTIFIED - MH46127	

Outer Dimension	
Terminal M8 	

* The above characteristics data are average values obtained within three charge/discharge cycles not the minimum value. Neutron Power reserves the rights update the data information without prior notice.

Constant Current Discharge Data (Amperes at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	3Hr	5Hr	10Hr
1.60V	--	294	196	162	124	56.6	39.3	21.4
1.65V	--	280	187	155	120	54.8	38.4	21.2
1.70V	--	265	178	148	115	52.9	37.4	20.9
1.75V	--	250	169	141	110	50.8	36.3	20.5
1.80V	--	235	160	134	104	48.6	35	20

Constant Power Discharge Data (Watts per cell at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	2Hr	3Hr	5Hr
1.60V	--	524	380	308	245	146	106	78
1.65V	--	499	364	299	235	142	104	76.6
1.70V	--	473	348	289	224	137	101	75.1
1.75V	--	446	331	280	213	132	98	73.5
1.80V	--	420	315	272	201	126	94.7	71.7

