
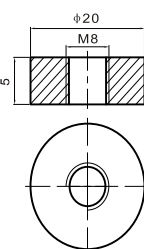
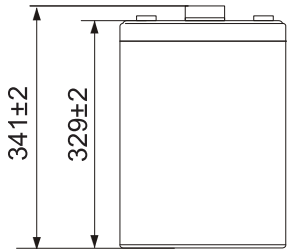
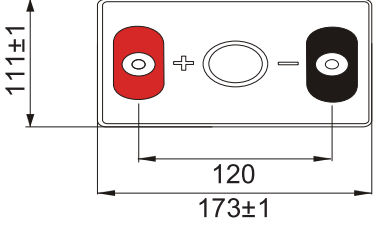
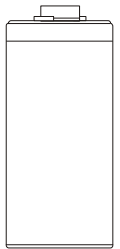




Neutron Power NPL series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container 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		
<b>General Information</b>	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
<b>Casing Material</b>	Standard (ABS)	
	Optional - V0 Class Flame Retardant (ABS)	
<b>Nominal Capacity 77°F (25°C)</b>	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
<b>Internal Resistance</b>	Fully Charged Battery 77°F (25°C) ≤ 0.8 mOhms	
<b>Self Discharge</b>	3% of capacity declined per month at 20°C (average)	
<b>Operating Temperature Range</b>	Discharge	-20 ~ 60°C
	Charge	-10 ~ 60°C
	Storage	-20 ~ 60°C
<b>Max. Discharge 77°F (25°C)</b>	1000A (5s)	
<b>Short Circuit Current</b>	---	
<b>Charge Methods</b>	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	
<b>Battery Certification</b>	 MH46127 UL CERTIFIED - MH46127	

Outer Dimension		
<b>Terminal M8</b>		
		
		

\* 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

