
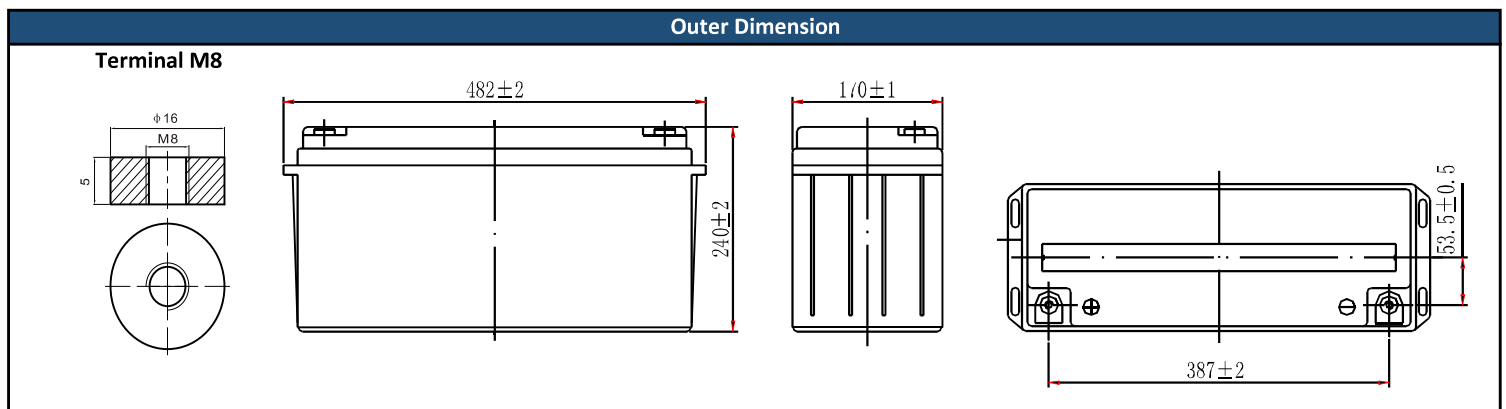




Neutron Power NPL series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container 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	482mm (18.98 Inch)
	Width	170mm (6.69 Inch)
	Height	240mm (9.45 Inch)
	Total Height	240mm (9.45 Inch)
	Approx Weight	48.4 Kg
	Nominal Voltage	12 Volt
	Number of Cells	6
	Nominal Capacity (10 hour rate)	150 Ah
	Design float life expectancy under normal operation conditions at 25°C	10 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 (15.0A, 10.8V)	150 Ah
	5 hour rate (27.0A, 10.5V)	135 Ah
	1 hour rate (102.0A, 9.60V)	102 Ah
<b>Internal Resistance</b>	Fully Charged Battery 77°F (25°C) ≤ 4.5 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>	2700A	
<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 45A	
<b>Battery Certification</b>	 MH46127 UL CERTIFIED - MH46127	



\* 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	360	288	169	123	102	44.5	28.8	15.5
1.65V	327	214	162	120	99	44.2	28.2	15.4
1.70V	313	210	160	118	96.3	43.8	27.6	15.2
1.75V	288	198	156	114	93.4	43.4	27	15.1
1.80V	264	186	150	110	90.5	41.4	26.5	15

Constant Power Discharge Data (Watts per cell at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	2Hr	3Hr	5Hr
1.60V	637	542	333	243	192	111	84.5	55.4
1.65V	614	504	304	235	186	109	83.9	54.1
1.70V	566	469	300	229	181	108	83.3	53.2
1.75V	532	444	294	224	177	106	82.1	52.1
1.80V	498	425	289	221	175	104	80.8	51

