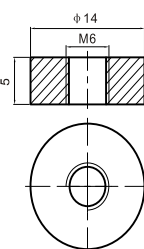
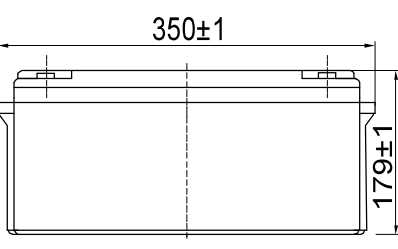
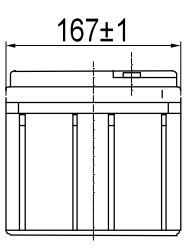
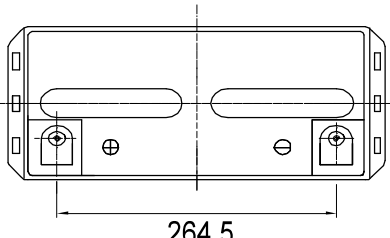




Neutron Power NPL series are designed with AGM (Absorbent Glass Mat) technology and for general-purpose applications, such as UPS, telecom, and electrical utilities. These batteries comply to most popular international standards, such as IEC60896-21/22, BS6290-4, Eurobat Guide. The battery container 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	350mm (13.8 Inch)
	Width	167mm (6.57 Inch)
	Height	179mm (7.05 Inch)
	Total Height	179mm (7.05 Inch)
	Approx Weight	22.4 Kg
	Nominal Voltage	12 Volt
	Number of Cells	6
	Nominal Capacity (10 hour rate)	65 Ah
	Design float life expectancy under normal operation conditions at 25°C	10 Years
	Terminal	M6
Casing Material	Standard (ABS)	
	Optional - V0 Class Flame Retardant (ABS)	
Nominal Capacity 77°F (25°C)	10 hour rate (6.50A, 10.8V)	65 Ah
	5 hour rate (10.8A, 10.5V)	54 Ah
	1 hour rate (43.1A, 9.6V)	43.1 Ah
Internal Resistance	Fully Charged Battery 77°F (25°C) ≤ 6.8 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)	600A (5s)	
Short Circuit Current	1700A	
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 19.5A	
Battery Certification	 MH46127 UL CERTIFIED - MH46127	

Outer Dimension	
Terminal M6	   

* 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	154	121	68.4	43.1	16.9	11.5	6.58	3.48
1.65V	149	116	66.3	42	16.5	11.2	6.56	3.46
1.70V	138	110	64.3	41	16.1	11	6.54	3.43
1.75V	127	104	62.2	39.9	15.7	10.8	6.52	3.4
1.80V	116	96.5	59.9	39	15.4	10.6	6.5	3.36

Constant Power Discharge Data (Watts per cell at 25°C)								
F.V/Time	10Min	15Min	30Min	45Min	1Hr	2Hr	3Hr	5Hr
1.60V	272	197	119	95.1	78.8	47.5	33.8	22.5
1.65V	258	193	118	93.6	77	46.5	33.1	22.3
1.70V	243	190	117	91.7	75.3	45.5	32.4	21.8
1.75V	229	186	114	89.6	73.5	44.5	31.8	21.6
1.80V	212	177	112	87.3	72.7	43.3	31.1	21.4

