



# ENERWATT

## WPHR12-28



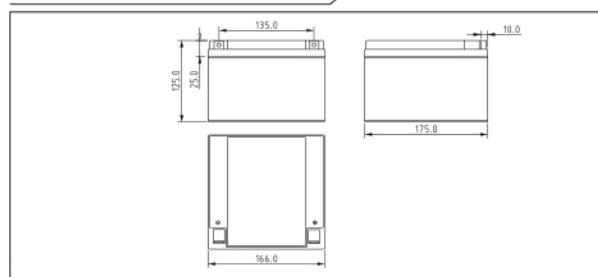
### Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		28 Ah
Dimensions	Total Height	125 mm (4.92 inches)
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	Length	166 mm (6.54 inches)
	Width	175mm (6.89 inches)
Weight Approx		9.0Kg (19.89 lbs)

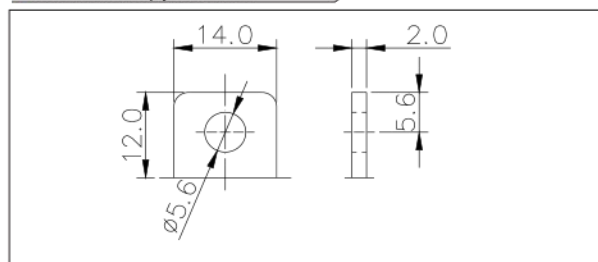
### Characteristics

Capacity 25 °C(77 °F)	20 hour rate (1.40 A)	28.0 AH
	10 hour rate (2.58 A)	25.8AH
	5 hour rate (4.76A)	23.8AH
	1 hour rate (16.80A)	16.8AH
Internal Resistance	Full charged Battery at 25 °C(77 °F)	9 m Ω
Capacity affected by Temperature (20hour rate)	40 °C(104 °F)	102%
	25 °C(77 °F)	100%
	0 °C(32 °F)	85%
	-15 °C(5 °F)	65%
Self-Discharge at 25 °C(77 °F)	Capacity a fter 3 month storage	91%
	Capacity a fter 6 month storage	82%
	Capacity a fter 12 month storage	64%
Terminal		T4、T13
Charge (constant Voltage)	Cycle	Initial Charging Current less than 1.1.2 A Voltage 14.40-14.70V
	Float	Voltage 13.50-13.80V

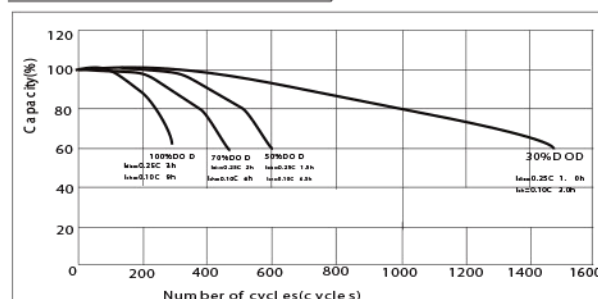
### Outer dimension (mm)



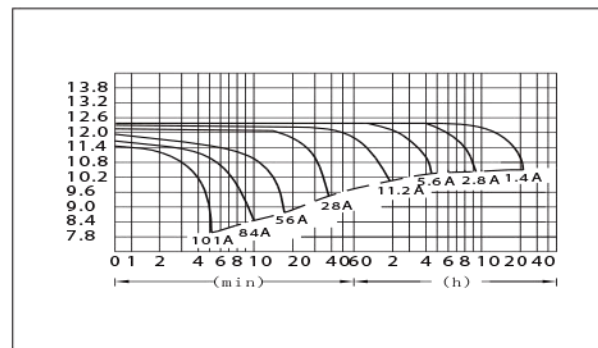
### Terminal Type (mm)



### Curves of cycle life (25 °C)



### Discharge Curves 25 °C (77 °F)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25 °C(77 °F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
		9.60V	A	10080	6608	4900	3220	1680	980	721	579	491	324
	W	11888	7467	5647	3418	1937	1134	834	670	568	375	307	168
10.20V	A	9240	6323	4503	3057	1577	940	700	560	482	319	260	141
	W	11188	7070	5308	3395	1820	1089	81.1	649	558	369	301	163
10.50V	A	84.12	5908	4200	2963	1526	922	688	532	480	315	258	140
	W	10803	6860	5075	3360	1766	1068	797	616	554	365	299	162
10.80V	A	8084	5647	3920	2882	1475	898	677	523	455	307	251	137
	W	9473	6650	4888	3348	1715	1045	788	608	530	350	292	159
11.10V	A	7476	5320	3640	2800	1423	875	642	513	435	299	245	133
	W	9158	6428	4655	3325	1692	1038	764	607	518	338	286	158