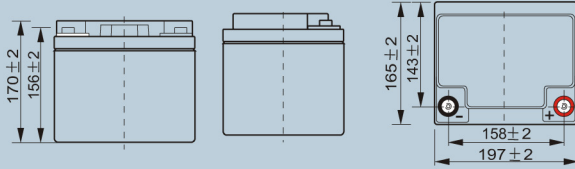


PG Range

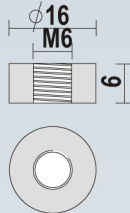
(12yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity		45.0 AH
Dimension	Length	197 ± 2 mm
	Width	165 + 2 mm
	Container Height	170 ± 2 mm
	Total Height (with terminal)	170 ± 2 mm
Weight		Approx 14.5kg
Standard Terminal		T6

PG12V45



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate(1.80V/cell) 10hr Rate(1.80V/cell) 8hr Rate(1.75V/cell) 5hr Rate(1.75V/cell) 1hr Rate(1.60V/cell)	45.0AH 42.0AH 40.0AH 36.0AH 29.2AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 11.25A Voltage 14.4V ~ 15.0V at 25°C (77°F)
					Standby
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 11.25A Voltage 13.5V ~ 13.8V at 15°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistance mΩ

9.0 mΩ

Constant Current Discharge Characteristics Unit: Amperes (20°C, 68°F)

F.V/Time	5mn	10mn	15mn	20mn	30mn	45mn	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	20H	24H	48H	72H	100H
1.90V	92.0	70.2	56.5	48.4	35.8	27.6	23.0	12.5	8.97	7.36	6.23	5.30	4.71	4.40	4.07	3.90	2.041	1.770	0.909	0.616	0.449
1.85V	108.0	79.0	65.3	53.6	39.7	29.8	24.3	13.4	9.60	7.80	6.47	5.57	5.00	4.60	4.27	4.07	2.131	1.840	0.946	0.642	0.467
1.80V	134.0	89.1	69.8	57.6	42.7	31.6	25.6	14.0	10.10	8.15	6.85	5.96	5.25	4.80	4.48	4.24	2.250	1.956	1.009	0.683	0.496
1.75V	150.7	96.4	74.0	61.0	45.0	32.8	26.7	14.4	10.50	8.47	7.11	6.17	5.48	5.00	4.65	4.41					
1.70V	159.8	103.1	77.4	64.4	47.3	34.1	28.2	15.3	11.10	8.82	7.42	6.43	5.67	5.20	4.80	4.55					
1.65V	170.0	108.0	80.5	66.5	49.6	35.5	29.2	16.0	11.60	9.21	7.72	6.63	5.84	5.37	5.00	4.73					
1.60V	174.0	112.3	84.8	70.2	51.1	36.9	30.0	16.7	12.00	9.56	7.97	6.90	6.12	5.60	5.20	4.90					

Constant Power Discharge Characteristics Unit: Watts (20°C, 68°F)

F.V/Time	5mn	10mn	15mn	20mn	30mn	45mn	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	20H	24H	48H	72H	100H
1.90V	1084.9	834.4	675.9	583.0	433.7	335.9	280.8	152.9	110.1	90.4	76.8	65.5	58.4	54.5	50.4	48.5	25.37	22.02	11.34	7.692	5.625
1.85V	1243.7	918.9	767.1	635.9	476.2	360.4	295.8	163.6	117.6	95.8	79.9	68.8	61.9	57.2	53.0	50.4	26.41	22.8	11.76	7.989	5.834
1.80V	1518.9	1019.1	805.0	670.0	501.9	375.8	307.5	169.0	122.4	99.1	83.6	73.1	64.6	59.1	55.2	52.4	27.85	24.23	12.51	8.478	6.181
1.75V	1672.3	1085.0	843.0	702.9	524.5	388.1	319.2	173.3	126.8	102.6	86.4	75.4	67.1	61.4	57.1	54.5					
1.70V	1724.9	1134.7	869.7	736.6	548.3	401.8	336.2	183.6	134.0	106.9	90.3	78.5	69.4	63.7	59.2	56.0					
1.65V	1809.5	1177.8	897.6	754.9	570.3	414.6	345.5	190.7	139.3	111.1	93.6	80.6	71.1	65.8	61.6	58.2					
1.60V	1810.0	1197.3	930.2	788.4	583.6	428.8	353.2	198.3	143.4	115.0	96.2	83.6	74.4	68.3	63.9	60.4					



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