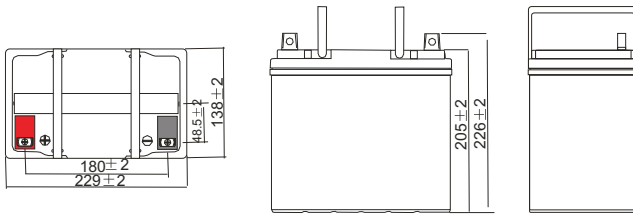


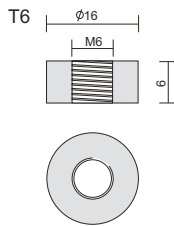


### PS-12550 12V 55AH

#### Dimensions (mm)



#### Standard Terminal (mm)



#### Physical Specification

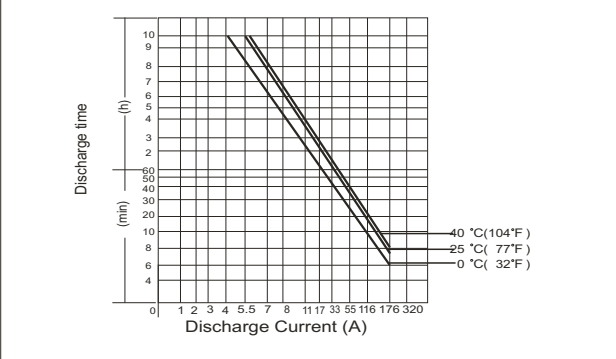
Nominal Voltage		12V
Nominal Capacity (20HR)		55AH
Dimension	Length	229 ± 2mm
	Width	138 ± 2mm
	Container Height	205 ± 2mm
	Total Height (with Terminal)	226 ± 2mm
Weight		Approx 19.0kg
Standard Terminal		T6

#### Electrical Specification

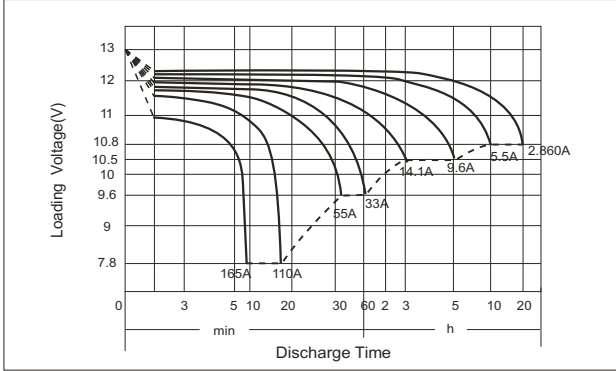
Rated Capacity	20 hour rate (2.86A)	57.2AH	Constant-Voltage	Cycle	Initial Charging Current less than 16.5A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (5.50A)	55.0AH			
	5 hour rate (9.60A)	48.0AH			
	1 hour rate (33.0A)	33.0AH			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient - 20mV/°C
	25°C (77°F)	100%			
	0°C (32°F)	86%			



#### Discharging Current & Discharge Duration Time



#### Discharge Characteristics (25°C ,77°C)



#### Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	190.8	132.7	100.8	59.4	33.6	20.7	15.8	12.7	10.31	6.82	5.79	3.00
1.67V	164.5	118.5	91.5	55.1	32.0	19.8	15.0	12.1	9.82	6.70	5.67	2.97
1.70V	156.9	113.3	88.7	53.3	31.3	19.4	14.7	12.0	9.71	6.67	5.61	2.94
1.75V	142.5	103.9	83.1	51.3	31.0	18.7	14.1	11.4	9.60	6.63	5.55	2.89
1.80V	126.4	94.6	76.0	49.4	29.0	18.0	13.5	11.1	9.23	6.45	5.50	2.86
1.85V	94.1	74.0	62.9	41.8	25.9	16.5	13.1	10.7	8.60	6.08	5.19	2.83

#### Constant Power Discharge Characteristics Unit: Watts (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	1897.8	1353.3	1058.7	649.8	378.4	234.9	181.1	146.9	119.3	79.9	68.2	35.4
1.67V	1687.0	1242.3	980.4	609.7	363.8	226.5	173.6	140.4	114.1	78.8	67.0	35.2
1.70V	1620.2	1192.9	954.0	592.4	358.0	223.5	170.1	138.7	113.1	78.5	66.4	34.9
1.75V	1513.3	1119.8	906.2	572.4	354.8	215.6	162.9	132.7	112.0	78.2	65.7	34.2
1.80V	1371.4	1035.7	839.9	555.9	334.4	208.6	156.9	129.9	108.1	76.1	65.2	33.9
1.85V	1032.7	820.2	704.6	478.5	301.0	192.5	152.6	125.0	101.1	72.0	61.6	33.7



Power-Sonic Europe Limited  
 3 Buckingham Square, Wickford, Essex, SS11 8YQ  
 Tel: +44 (0)1268 560686 Fax: +44 (0)1268 560902  
 sales@power-sonic.co.uk  
 www.power-sonic.co.uk