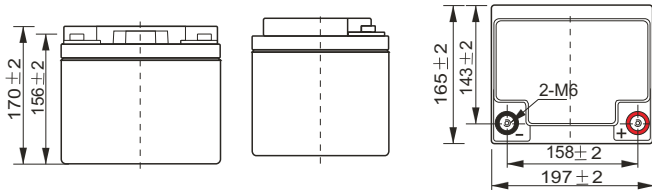
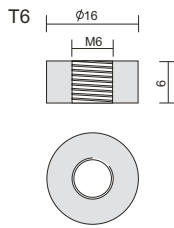




Dimensions (mm)



Standard Terminal (mm)



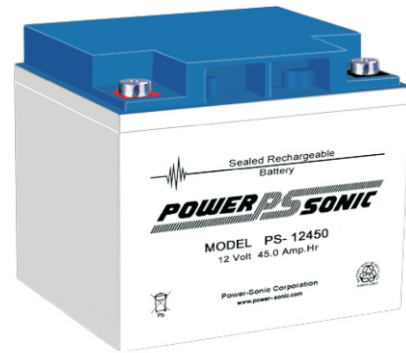
Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		45AH
Dimension	Length	197 ± 2mm
	Width	165 ± 2mm
	Container Height	170 ± 2mm
	Total Height (with Terminal)	170 ± 2mm
Weight		Approx 15.4kg
Standard Terminal		T6

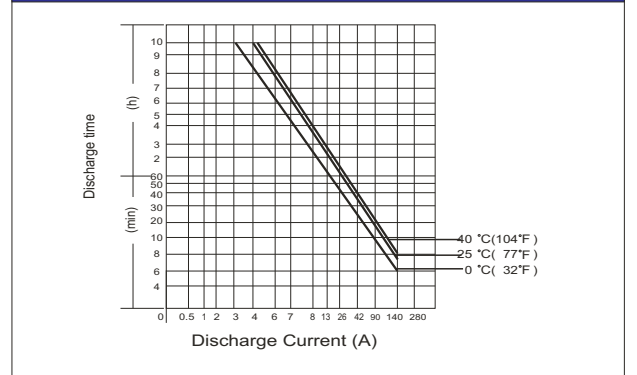
Electrical Specification

Rated Capacity	20 hour rate (2.25A)	45.0AH	Constant-Voltage	Cycle	Initial Charging Current less than 12.6A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (4.20A)	42.0AH			
	5 hour rate (7.20A)	36.0AH			
	1 hour rate (10.9A)	32.7AH			
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%			

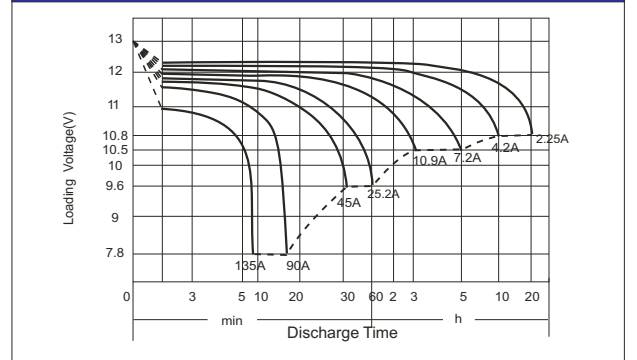
PS-12450 12V 45AH



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	145.7	101.3	77.0	45.4	25.6	15.8	12.1	9.74	7.88	5.21	4.42	2.29
1.67V	125.6	90.5	69.9	42.1	24.4	15.1	11.5	9.26	7.50	5.12	4.33	2.27
1.70V	119.8	86.5	67.7	40.7	23.9	14.8	11.2	9.13	7.42	5.09	4.28	2.25
1.75V	108.8	79.3	63.4	39.1	23.6	14.3	10.7	8.72	7.33	5.07	4.24	2.21
1.80V	96.5	72.2	58.1	37.7	22.2	13.8	10.3	8.51	7.05	4.92	4.20	2.18
1.85V	71.9	56.5	48.1	31.9	19.8	12.6	9.97	8.14	6.56	4.64	3.96	2.16

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	1449.2	1033.4	808.5	496.2	289.0	179.4	138.3	112.2	91.1	61.0	52.1	27.0
1.67V	1288.3	948.7	748.6	465.6	277.8	173.0	132.5	107.2	87.2	60.2	51.1	26.9
1.70V	1237.3	910.9	728.5	452.4	273.4	170.7	129.9	105.9	86.4	59.9	50.7	26.6
1.75V	1155.6	855.1	692.0	437.1	271.0	164.6	124.4	101.3	85.6	59.7	50.2	26.1
1.80V	1047.3	790.9	641.4	424.5	255.3	159.3	119.8	99.2	82.5	58.1	49.8	25.9
1.85V	788.6	626.4	538.1	365.4	229.8	147.0	116.5	95.5	77.2	55.0	47.1	25.7



VdS No G102067

