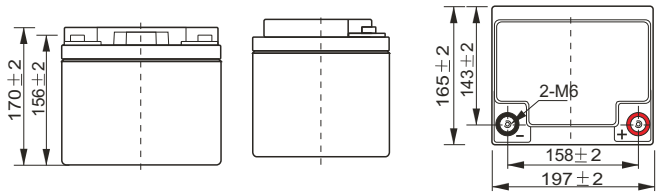
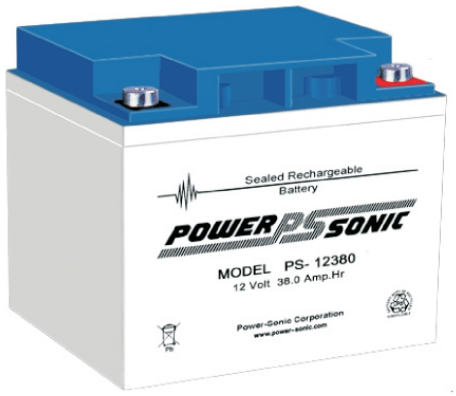
POWER PS SONIC

Rechargeable Sealed Lead Acid Battery

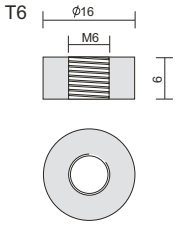
PS-12380 12V 38AH

Dimensions (mm)





Standard Terminal (mm)



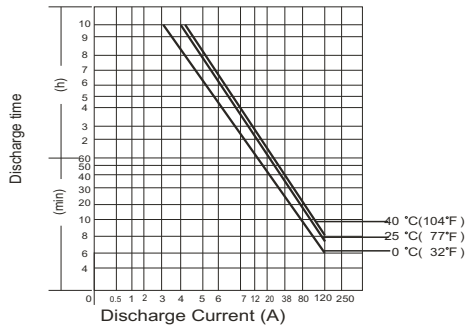
Physical Specification

Nominal Voltage Nominal Capacity (10HR)		12V 38AH
Dimension	Length Width Container Height Total Height (with Terminal)	197 ± 2mm 165 ± 2mm 170 ± 2mm 170 ± 2mm
Weight		Approx 13.8kg
Standard Terminal		T6

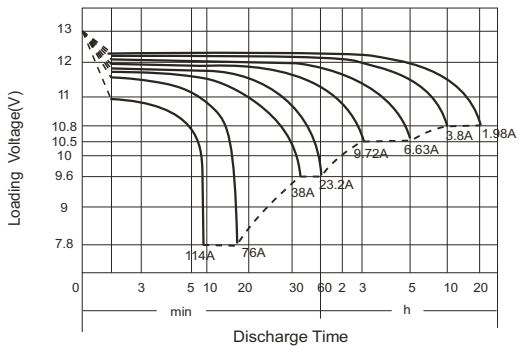
Electrical Specification

Rated Capacity	20 hour rate (1.980A) 10 hour rate (3.8A) 5 hour rate (6.63A) 1 hour rate (23.2A)	40.0AH 38.0AH 33.5AH 23.2AH	Constant-Voltage Charge	Cycle	Initial Charging Current less than11.4A.Voltage 14.4V~ 15.0V at 25ºC (77ºF) Temp. Coefficient -30mV/ºC
Capacity affected by Temperature	40ºC (104ºF) 25ºC (77ºF) 0ºC (32ºF)	103% 100% 86%		Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25ºC(77ºF) Temp. Coefficient - 20mV/ºC

Discharging Current & Discharge Duration Time



Discharge Characteristics (25ºC ,77ºC)



Constant Current Discharge Characteristics Unit: Amperes (25ºC, 77ºF)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	131.8	91.7	69.7	41.0	23.2	14.3	10.9	8.81	7.13	4.71	4.00	2.07
1.67V	113.7	81.9	63.2	38.1	22.1	13.7	10.4	8.38	6.78	4.63	3.91	2.05
1.70V	108.4	78.2	61.3	36.9	21.7	13.4	10.2	8.26	6.71	4.61	3.88	2.03
1.75V	98.4	71.8	57.4	35.4	21.4	12.9	9.72	7.89	6.63	4.58	3.83	2.00
1.80V	87.3	65.3	52.5	34.1	20.1	12.5	9.33	7.70	6.38	4.45	3.80	1.98
1.85V	65.0	51.1	43.5	28.9	17.9	11.4	9.02	7.37	5.94	4.20	3.59	1.96

Constant Power Discharge Characteristics Unit: Watts (25ºC, 77ºF)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	1311.2	935.0	731.5	449.0	261.5	162.3	125.2	101.5	82.4	55.2	47.1	24.5
1.67V	1165.6	858.3	677.3	421.2	251.4	156.5	119.9	97.0	78.9	54.4	46.3	24.3
1.70V	1119.4	824.2	659.1	409.3	247.4	154.4	117.5	95.8	78.2	54.2	45.9	24.1
1.75V	1045.6	773.7	626.1	395.5	245.1	148.9	112.5	91.7	77.4	54.0	45.4	23.6
1.80V	947.5	715.6	580.3	384.1	231.0	144.1	108.4	89.8	74.7	52.6	45.1	23.5
1.85V	713.5	566.7	486.8	330.6	207.9	113.0	105.4	86.4	69.9	49.7	42.6	23.3

nqa. ISO 9001 Registered UKAS

VdS No G103037

NCP Certificatie

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

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