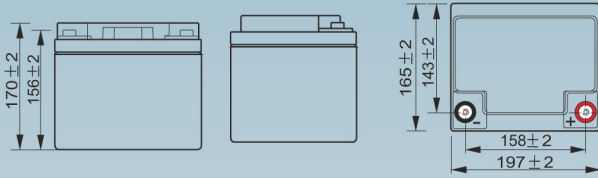


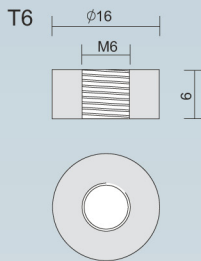
PS Range (VRLA 10yr Life)

Dimensions (mm)



Standard terminal (mm)

T6 Threaded Insert 6mm STUD



Physical Specification

Nominal Voltage		12V
Nominal Capacity		38.0 AH
Dimension	Length	197 ± 2 mm
	Width	165 ± 2 mm
	Container Height	170 ± 2 mm
	Total Height (with terminal)	170 ± 2 mm
Weight		Approx 12.2kg
Standard Terminal		T6

PS-12380 12V 38AH



Discharge Characteristics (25°C, 77°F)

Rated Capacity	20hr Rate (1.98A)	39.6AH	Constant Voltage Charge	Cycle	Initial Charging Current Less than 9.5A Voltage 14.40V ~ 15.0V at 25°C (77°F)
	10hr Rate (3.80A)	38.0AH			
Capacity Affected by Temperature	8hr Rate (4.58A)	36.64AH	Standby	Recommended Charge Current less than 9.5A Voltage 13.5V ~ 13.8V at 25°C (77°F)	
	5hr Rate (6.63A)	33.15AH			
	1hr Rate (23.2A)	23.2AH			
Capacity Affected by Temperature	40°C (104°F)	103%	Constant Voltage Charge	Standby	Recommended Charge Current less than 9.5A Voltage 13.5V ~ 13.8V at 25°C (77°F)
	25°C (77°F)	100%			
	0°C (32°F)	86%			

Internal Resistances m0hms

10.0 m0hms

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

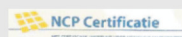
F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	45MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	131.8	91.7	69.7	55.0	41.0	29.3	23.2	14.3	10.90	8.81	7.13	6.08	4.71	4.00					
1.67V	113.7	81.9	63.2	50.5	38.1	27.8	22.1	13.7	10.40	8.38	6.78	5.87	4.63	3.91					
1.70V	108.4	78.2	61.3	48.6	36.9	27.5	21.7	13.4	10.20	8.26	6.71	5.82	4.61	3.88					
1.75V	98.4	71.8	57.4	46.2	35.4	26.4	21.4	12.9	9.72	7.89	6.63	5.70	4.58	3.83	2.00	1.70	0.878	0.606	0.451
1.80V	87.3	65.3	52.5	43.0	34.1	25.4	20.1	12.5	9.33	7.70	6.38	5.55	4.45	3.80	1.98	1.68	0.864	0.596	0.443
1.85V	65.0	51.1	43.5	36.4	28.9	21.9	17.9	11.4	9.02	7.37	5.94	5.17	4.20	3.59	1.96	1.65	0.847	0.585	0.435

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

F.V/Time	5MIN	10MIN	15MIN	20mn	30MIN	45mn	1HR	2HR	3HR	4HR	5HR	6H	8HR	10HR	20HR	24HR	48HR	72HR	100HR
1.60V	1311.2	935.0	731.5	598.1	449.0	330.0	261.5	162.3	125.2	101.5	82.4	71.3	55.2	47.1					
1.67V	1165.6	858.3	677.3	557.4	421.2	315.6	251.4	156.5	119.9	97.0	78.9	69.3	54.4	46.3					
1.70V	1119.4	824.2	659.1	538.3	409.3	313.4	247.4	154.4	117.5	95.8	78.2	68.7	54.2	45.9					
1.75V	1045.6	773.7	626.1	516.0	395.5	302.5	245.1	148.9	112.5	91.7	77.4	67.4	54.0	45.4	23.6	20.4	10.5	7.32	5.47
1.80V	947.5	715.6	580.3	484.3	384.1	293.0	231.0	144.1	108.4	89.8	74.7	65.8	52.6	45.1	23.5	20.1	10.4	7.22	5.39
1.85V	713.5	566.7	486.8	415.7	330.6	254.9	207.9	133.0	105.4	86.4	69.9	61.6	49.7	42.6	23.3	19.8	10.2	7.11	5.31



Vds No G103037



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