

## WPS380 12Volt 380W

### Specifications

Nominal Voltage(V) 12V

#### Nominal Capacity

63.3W@5minute-rate to 1.6V per cell

5 hour rate	(1.02A to 10.20V)	5.1Ah
1 C	(6A to 9.60V)	3.8Ah
3 C	(18A to 9.60V)	2.4Ah

Weight Approx. 2.05kg(4.51Lbs.)

Internal Resistance (at 1KHz) Approx. 16 mΩ

#### Maximum Discharge Current for

5 seconds: 123A

#### Charging Methods at 25°C (77°F)

##### Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 1.8A

##### Standby use:

Float Charging Voltage 13.50 to 13.80V

Coefficient -3.3mV/°C/cell

#### Operating Temperature Range

Charge -15°C (5°F) to 40°C (104°F)

Discharge -15°C (5°F) to 50°C (122°F)

Storage -15°C (5°F) to 40°C (104°F)

#### Charge Retention (shelf life) at 20°C (68°F)

1 month	98%
3 month	94%
6 month	85%

Case Material ABS

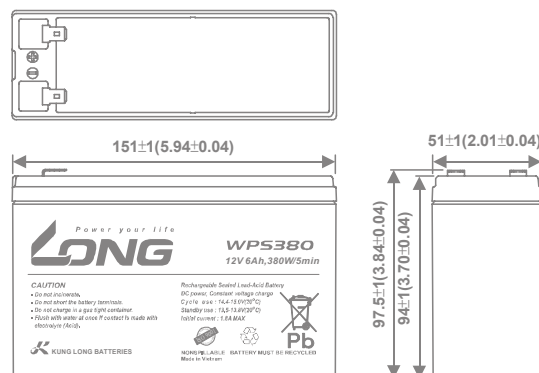
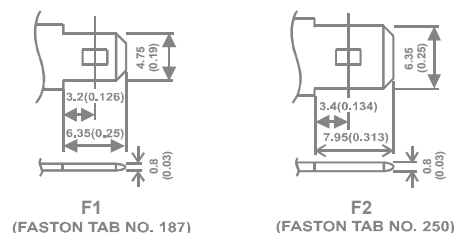
(Option: UL94 HB & UL94 V-0 flame retardant )

Terminal F1 or F2 (Faston Tab 187 or 250)

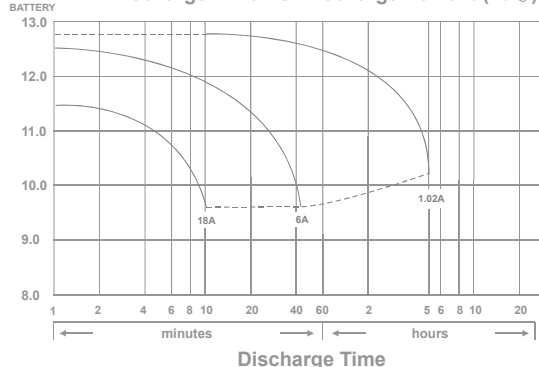


### Dimensions

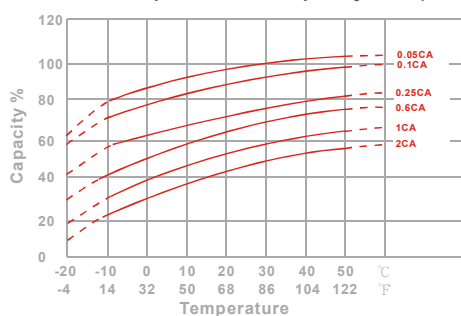
mm(inch)



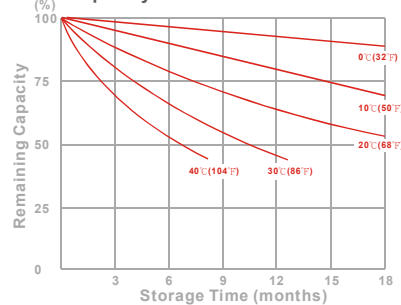
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



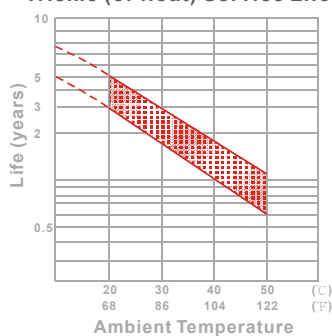
Effect of Temperature on Capacity 25°C(77°F)



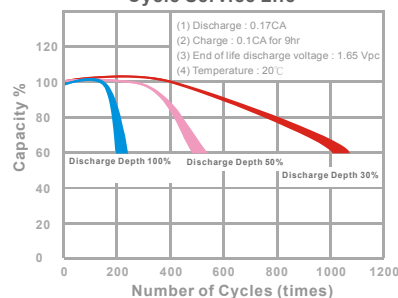
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



## - PERFORMANCE DATA

### Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	351	373	383	389	391	394
10	min	190	202	207	210	211	213
15	min	137	145	149	151	152	153
30	min	72.9	77.1	79.1	80.2	80.7	81.2
60	min	44.1	45.3	46.3	46.6	47.1	47.3
120	min	23.2	23.9	24.4	24.6	24.8	25.0
180	min	18.7	19.2	19.6	19.7	19.9	20.0
240	min	15.0	15.4	15.7	15.9	16.0	16.1
300	min	12.8	13.1	13.4	13.5	13.6	13.7
600	min	7.53	7.74	7.90	7.96	8.04	8.09
1200	min	3.95	4.07	4.15	4.18	4.22	4.24

### - Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	26.9	28.6	29.4	29.8	30.0	30.2
10	min	16.8	17.9	18.4	18.6	18.7	18.9
15	min	11.7	12.3	12.7	12.8	12.9	13.0
30	min	6.13	6.48	6.65	6.74	6.78	6.82
60	min	3.69	3.79	3.87	3.90	3.94	3.96
120	min	1.94	1.99	2.03	2.05	2.07	2.08
180	min	1.55	1.59	1.63	1.64	1.65	1.66
240	min	1.24	1.27	1.30	1.31	1.32	1.33
300	min	1.05	1.08	1.11	1.11	1.12	1.13
600	min	0.62	0.64	0.65	0.66	0.66	0.67
1200	min	0.33	0.33	0.34	0.34	0.35	0.35

All data on the spec. sheet is an average value:

The tolerance range :  $X < 6\text{min}$  (+15%~-15%),  $6\text{min} \leq X < 10\text{min}$  (+12%~-12%),  $10\text{min} \leq X < 60\text{min}$  (+8%~-8%),  $X \geq 60\text{min}$  (+5%~-5%)