

WP65-12 12Volt 65Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(3.25A to 10.50V)	65Ah
10 hour rate	(6.175A to 10.50V)	61.75Ah
5 hour rate	(11.05A to 10.20V)	55.25Ah
1 C	(65A to 9.60V)	36.83Ah
3 C	(195A to 9.60V)	26Ah

Weight **Approx. 23.3kg(51.26Lbs.)**

Internal Resistance (at 1KHz) **Approx. 5 mΩ**

Maximum Discharge Current for

5 seconds: **800A**

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient **-5.0mV/°C/cell**

Maximum Charging Current : **19.5A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient **-3.0mV/°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	92%
3 month	90%
6 month	80%

Case Material **ABS**

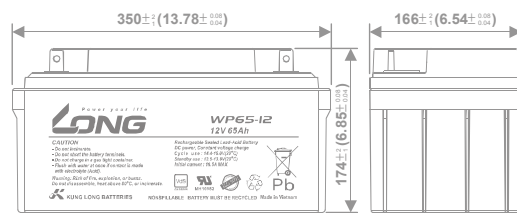
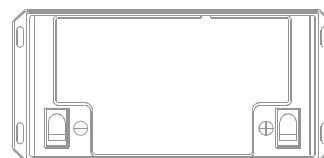
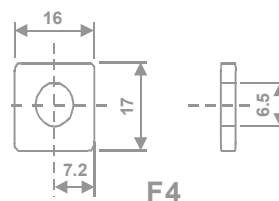
(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal **F4**

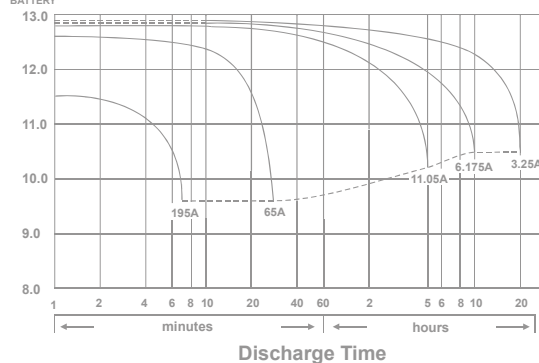


Dimensions

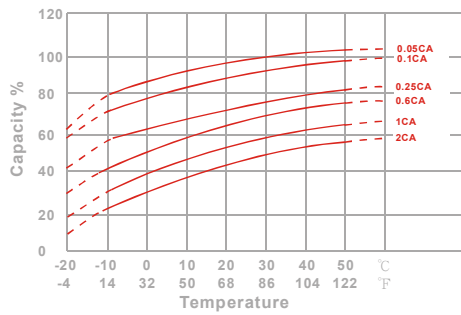
mm(inch)



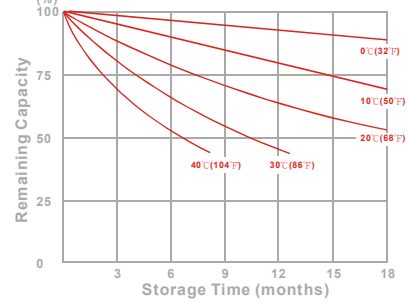
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



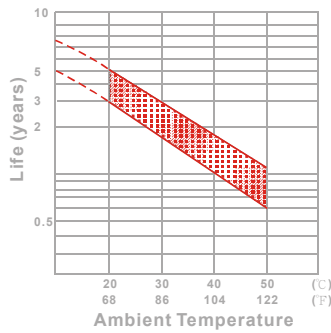
Effect of Temperature on Capacity 25°C(77°F)



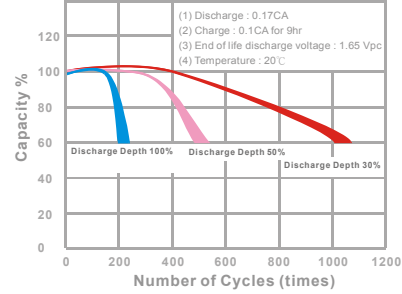
Capacity Retention Characteristic



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	1929	2768	3256	3533	3685	3763
10	min	1238	1776	2089	2268	2365	2415
15	min	910	1251	1444	1553	1614	1645
30	min	484	665	768	826	858	875
60	min	457	479	488	496	502	507
120	min	241	252	257	261	265	267
180	min	195	204	208	211	213	216
240	min	156	164	167	169	172	173
300	min	135	141	144	146	148	150
600	min	79.7	83.4	85.0	86.4	87.4	88.4
1200	min	41.8	43.8	44.6	45.3	45.9	46.4

- 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	172	247	291	315	329	336
10	min	108	154	182	197	206	210
15	min	77.5	106	123	132	137	140
30	min	40.7	55.9	64.5	69.4	72.1	73.5
60	min	38.3	40.1	40.9	41.5	42.0	42.5
120	min	20.1	21.0	21.4	21.8	22.1	22.3
180	min	16.1	16.9	17.2	17.5	17.7	17.9
240	min	12.9	13.5	13.8	14.0	14.2	14.3
300	min	11.1	11.7	11.9	12.1	12.2	12.4
600	min	6.56	6.86	7.00	7.11	7.20	7.27
1200	min	3.44	3.60	3.67	3.73	3.78	3.82

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%)

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