Power your life

Valve Regulated Lead Acid Battery

WPL65-12AN

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
1C	(65A	to	9.60V)	41.17Ah
3C	(195A	to	9.60V)	26Ah

Weight

Approx. 20.5kg(45.1Lbs.)

Internal Resistance (at 1KHz)

Approx. 4 mΩ

Maximum Discharge Current for

5 seconds:780A

Charging Methods at 25℃(77℉)

Maximum Charging Current :	19.5A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

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

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life & Standard

EUROBAT(20℃) : 10/12 YEARS LONG LIFE

Terminal

F8

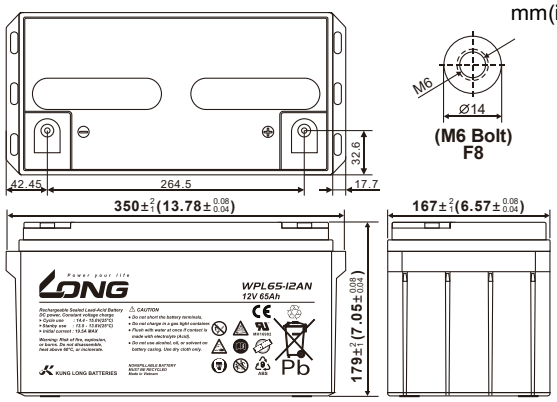
Dimensions

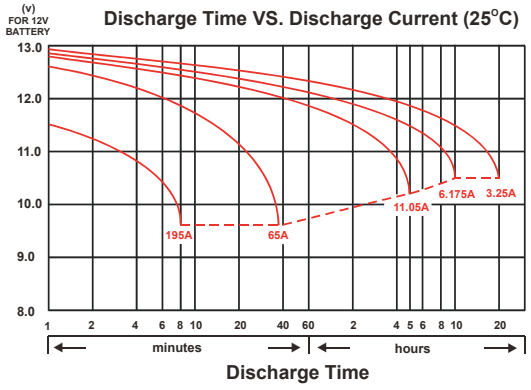
Length (L)	$350\pm^{2}_{1}(13.78\pm^{0.08}_{0.04})$
Width (W)	$167\pm^{2}_{1}(6.57\pm^{0.08}_{0.04})$
Height (H)	$179\pm^{2}_{1}(7.05\pm^{0.08}_{0.04})$
Overall Height (HT)	$179\pm^{2}_{1}(7.05\pm^{0.08}_{0.04})$

Description of torque value of hardware for the terminals:

Recommended torque value	M6:7 N-m (71 kgf-cm)
Maximum allowable torque value	M6:10N-m (102 kgf-cm)

mm(inch)





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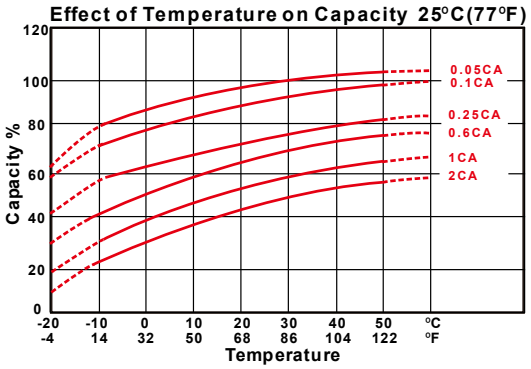

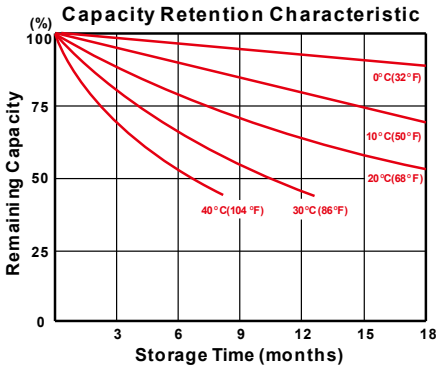

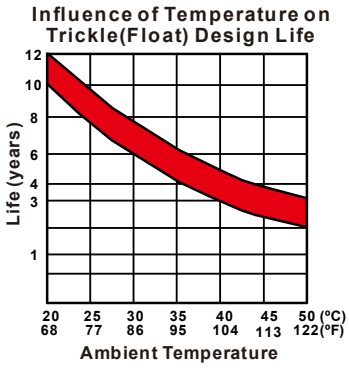

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
15	min	190	210	227	240	245	249	251
30	min	114	126	135	141	144	147	149
45	min	88.2	95.4	101	103	105	106	107
60	min	73.3	79.0	83.0	84.3	85.0	85.5	85.9
90	min	58.9	60.6	62.1	62.9	63.2	63.3	63.4
120	min	46.1	47.9	49.5	50.0	50.2	50.4	50.5
180	min	32.7	33.6	34.3	34.8	35.0	35.2	35.3
240	min	26.3	27.1	27.8	28.1	28.2	28.3	28.4
300	min	21.9	22.6	23.2	23.4	23.5	23.6	23.6
480	min	15.0	15.6	16.0	16.1	16.2	16.2	16.3
600	min	12.6	13.0	13.3	13.3	13.4	13.5	13.5
1200	min	6.55	6.77	6.87	6.91	6.93	6.94	6.95

- Discharge Rates in Amperes to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
15	min	95.5	109	120	130	135	140	145
30	min	51.2	60.7	69.2	77.2	77.5	77.8	78.0
45	min	45.2	50.1	54.5	58.5	59.3	59.8	60.0
60	min	37.0	39.7	42.0	43.5	44.5	44.8	45.0
90	min	29.8	31.1	32.2	33.0	33.5	33.7	33.8
120	min	23.5	24.3	25.0	25.6	26.0	26.2	26.3
180	min	16.5	17.1	17.6	17.9	18.0	18.1	18.2
240	min	13.2	13.6	14.0	14.1	14.2	14.3	14.4
300	min	10.9	11.3	11.6	11.7	11.8	11.9	12.0
480	min	7.44	7.69	7.88	7.93	7.96	7.98	8.00
600	min	6.20	6.39	6.55	6.60	6.62	6.64	6.65
1200	min	3.25	3.36	3.41	3.43	3.44	3.45	3.45

All data on the spec. sheet is an average value:
The tolerance range : X<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)

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