Power your life

High Temperature Batteries

HTP12600WN

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate:	600W/cell	to	1.67V/cell

Nominal Capacity

20	hour rate	(10A	to	10.50V)	200Ah
10	hour rate	(19.2A	to	10.50V)	192Ah
8	hour rate	(23A	to	10.50V)	184Ah
5	hour rate	(34A	to	10.20V)	170Ah

Weight

Approx. 55kg(121Lbs.)

Internal Resistance (at 1KHz)

Approx. 3 mΩ

Maximum Discharge Current for

5 seconds: 1700A

Short Circuit Current (A) IEC 60896 -21-22

3210A

Charging Methods at 25℃(77℉)

Maximum Charging Current：	60A
Boost Charging Voltage	14.10 to 14.40V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.50 to 13.65V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	45℃(113℉)
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%

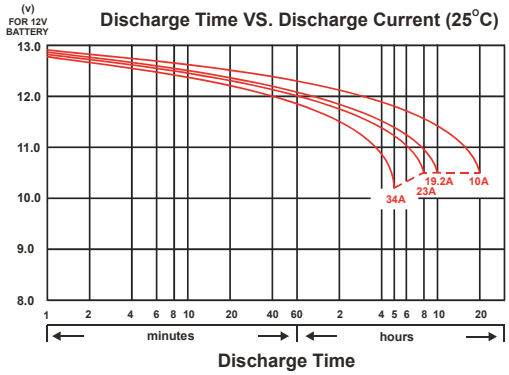
Case Material

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

Design Life

EUROBAT(20℃)：>12 YEARS VERY LONG LIFE

Discharge Time VS. Discharge Current (25℃)



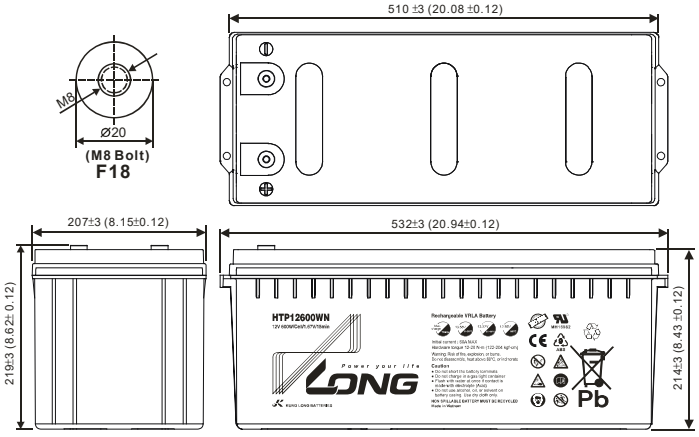
Dimensions

Length (L)	532±3(20.94±0.12)
Width (W)	207±3 (8.15±0.12)
Height (H)	214±3 (8.43±0.12)
Overall Height (HT)	219±3 (8.62±0.12)
Terminal	F18

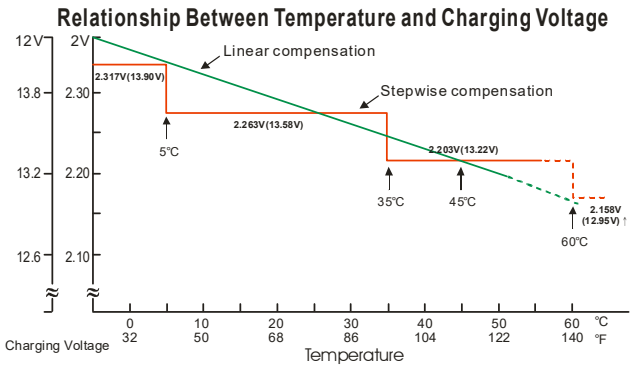
Description of torque value of hard ware for the terminals:

Recommended torque value	M8: 12N-m (122 kgf-cm)
Maximum allowable torque value	M8: 20 N-m (204 kgf-cm)

mm(inch)



Relationship Between Temperature and Charging Voltage



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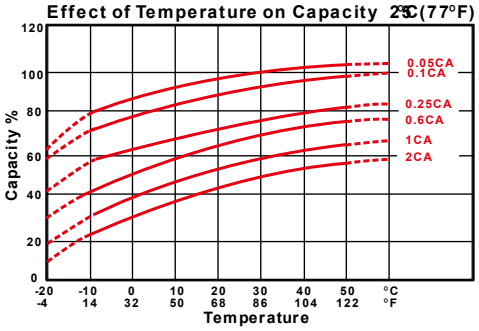

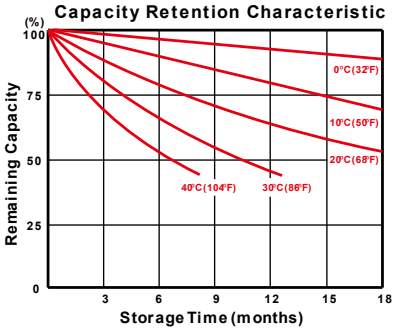

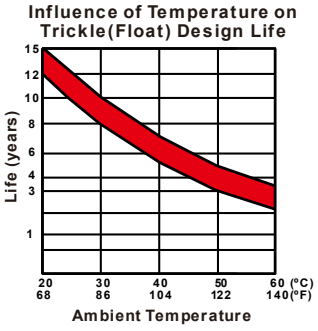

- PERFORMANCE DATA

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
2	min	894	1011	1120	1230	1305	1365	1440
4	min	851	922	985	1037	1077	1112	1148
5	min	788	868	937	994	1044	1084	1116
8	min	717	764	806	843	872	896	914
5	min	618	683	739	773	794	806	813
10	min	500	542	578	595	604	612	621
15	min	340	361	383	389	394	397	400
30	min	247	258	268	276	280	283	285
45	min	191	202	212	217	221	225	230
60	min	144	158	172	176	179	181	182
120	min	112	126	140	143	145	147	149
180	min	91.2	96.8	102	104	105	106	107
240	min	75.4	79.5	83.6	85.3	85.8	86.3	86.6
300	min	63.0	65.5	67.8	69.0	69.4	69.8	70.2
480	min	41.3	43.0	44.7	45.6	46.2	46.6	47.0
600	min	33.3	34.7	36.0	37.0	37.4	37.9	38.2
1200	min	17.0	17.7	18.4	18.8	19.1	19.3	19.5

- 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
2	min	478	558	635	705	755	805	820
4	min	452	507	552	587	622	655	685
5	min	420	480	530	561	593	618	639
8	min	370	410	445	475	500	525	541
5	min	325	370	415	435	450	460	470
10	min	279	311	338	351	360	365	369
15	min	174	187	200	201	202	203	204
30	min	120	133	143	146	147	148	149
45	min	99.2	103	114	117	118	119	120
60	min	74.5	78.3	81.8	85.3	88.3	91.3	94.3
120	min	58.0	61.7	65.4	68.4	68.6	70.1	71.1
180	min	47.0	47.3	47.5	47.7	47.9	48.1	48.3
240	min	39.0	39.5	38.0	38.5	38.9	39.3	39.6
300	min	31.5	31.9	32.3	32.7	32.9	33.1	33.2
480	min	21.0	21.5	21.9	22.3	22.5	22.6	22.7
600	min	17.5	18.3	19.1	19.5	19.7	19.8	19.8
1200	min	8.99	9.50	10.0	10.0	10.1	10.1	10.2

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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