Power your life

High Rate Long Life Battery

WXL12710WIFT

Specifications

Nominal Voltage(V)

12V

Nominal Power

15 mins rate:	710W/cell	to	1.67V/cell

Nominal Capacity

20	hour rate	(9.5A	to	10.50V)	190Ah
10	hour rate	(18.05A	to	10.50V)	180.5Ah
8	hour rate	(21.85A	to	10.50V)	174.8Ah
5	hour rate	(32.3A	to	10.20V)	161.5Ah

Weight

Approx. 59.5kg(131Lbs.)

Internal Resistance (at 1KHz)

Approx. 3.5 mΩ

Maximum Discharge Current for

5 seconds: 1615A

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

3400 A

Charging Methods at 25℃(77℉)

Maximum Charging Current：	57A
Boost Charging Voltage	14.1 to 14.4V
Boost Charge Time	8-9Hr
Float Charging Voltage	13.5 to 13.65V
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	96%
6 month	94%

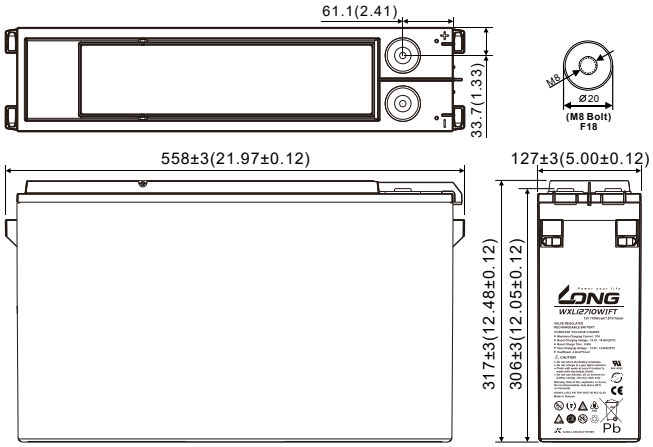
Case Material

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

Dimensions

Length (L)	558±3 (21.97±0.12)
Width (W)	127±3 (5.00±0.12)
Height (H)	317±3 (12.48±0.12)
Overall Height (HT)	317±3 (12.48±0.12)

mm(inch)



Terminal

F18

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

Design Life

EUROBAT(20℃)：>12 YEARS VERY LONG LIFE

Battery Construction

Component	Positive Plate	Negative plate	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	Rubber	Copper	AGM	Sulfuric acid

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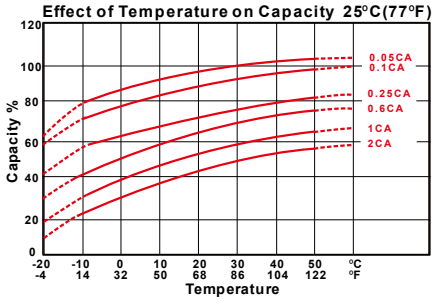

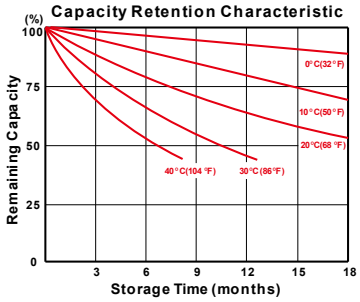

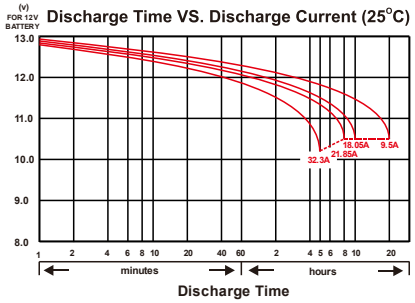

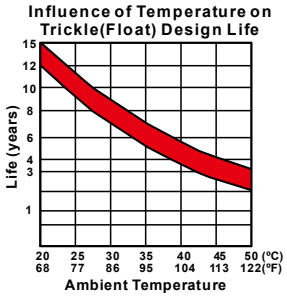

- PERFORMANCE DATA

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	891	990	1084	1173	1252	1332	1408
4	min	833	911	980	1038	1089	1137	1185
5	min	768	857	926	985	1050	1095	1135
8	min	700	780	845	888	915	935	945
10	min	650	717	777	827	860	878	891
15	min	580	635	680	700	710	720	725
30	min	400	425	445	453	457	461	463
45	min	299	317	331	335	337	338	339
60	min	210	217	221	224	226	227	228
90	min	150	156	160	163	165	166	167
120	min	120	127	131	134	136	137	138
180	min	87.0	90.5	93.0	94.5	95.3	95.8	96.0
240	min	70.0	72.5	74.3	75.3	75.8	76.0	76.1
300	min	59.5	61.4	62.7	63.5	64.0	64.2	64.3
480	min	39.5	42.0	43.8	44.6	45.1	45.4	45.5
600	min	35.0	36.5	37.2	37.6	37.8	37.9	38.0
1200	min	18.0	18.8	19.2	19.4	19.5	19.5	19.6

- 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	552	617	680	734	789	841
4	min	439	498	548	597	640	681	713
5	min	415	475	530	580	615	650	680
8	min	365	420	470	506	535	560	580
10	min	340	390	430	463	488	505	520
15	min	300	345	380	400	410	417	420
30	min	205	225	240	249	254	257	260
45	min	150	156	160	163	165	166	167
60	min	110	116	120	123	125	127	128
90	min	79.0	82.0	84.5	86.0	86.8	87.3	87.5
120	min	60.3	64.9	69.0	72.0	74.2	75.4	76.2
180	min	44.5	47.0	49.0	50.1	50.7	51.1	51.4
240	min	35.8	37.6	39.2	40.3	40.8	40.9	41.0
300	min	29.0	31.2	33.0	33.5	33.7	33.9	34.0
480	min	20.2	22.3	22.9	23.2	23.4	23.5	23.6
600	min	18.1	19.1	19.2	19.3	19.3	19.3	19.4
1200	min	9.15	9.62	9.69	9.71	9.74	9.75	9.77

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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