



# XHRL12620W

## 12V 600W

XHRL12620W is specially designed for high efficient discharge and long life application. It's characteristics are high energy density, small footprint and high discharge efficiency. It can be used for more than 260 cycles at 100% discharge in cycle service, up to 10 years in standby service.



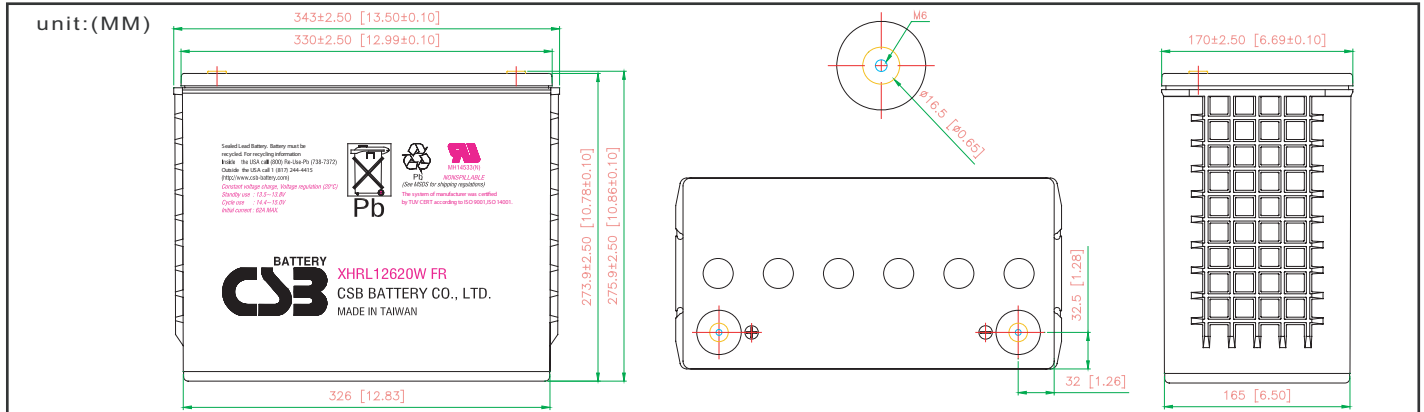
### Specification

<b>Cells Per Unit</b>	6
<b>Voltage Per Unit</b>	12
<b>Capacity</b>	600W @15 min-rate to 1.67V per cell @25°C (77°F) 139.3Ah @20hr-rate to 1.75V per cell @25°C (77°F)
<b>Weight</b>	Approx. 45.7 kg(100.75 lbs)
<b>Maximum Discharge Current</b>	800A(5sec)
<b>Internal Resistance</b>	Approx. 3.4mΩ
<b>Operating Temperature Range</b>	Discharge: -20°C~50°C (-4°F~122°F) Charge: -20°C~50°C (-4°F~122°F) Storage: -15°C~40°C (5°F~104°F)
<b>Nominal Operating Temperature Range</b>	25°C ±3°C (77°F ±5°F)
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC/unit Average at 25°C (77°F)
<b>Recommended Maximum Charging</b>	60A
<b>Current Limit</b>	
<b>Equalization and Cycle Service</b>	14.4 to 15.0 VDC/unit Average at 25°C (77°F)
<b>Self Discharge</b>	CSB Batteries can be stored for more than 6 months at 25°C(77°F). Please charge batteries before using. For higher temperatures the time interval will be shorter.
<b>Terminal</b>	I2-Thread lead alloy recessed terminal to accept M6 bolt
<b>Container Material</b>	PPE(UL94-V0/File161759)*Flammability resistance can be available upon request.



CSB-manufactured batteries are UL-recognized components under UL924 as well as ISO 9001 and ISO 14001 certified.

### Dimensions



### Constant Current Discharge Characteristics Unit:Amperes(25°C,77°F)

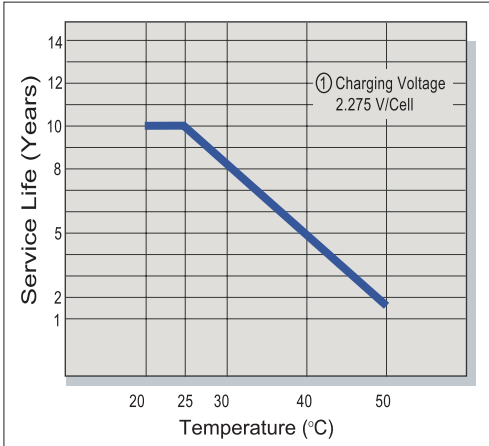
F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	40MIN	50MIN	60MIN	90MIN
1.60V	619	434	328	266	194	151	126	109	77.3
1.67V	571	411	320	260	191	150	125	108	76.7
1.70V	545	398	313	256	188	148	124	107	75.7
1.75V	509	374	297	247	181	144	121	105	74.2
1.80V	467	345	274	231	172	139	117	101	72.0
1.85V	409	309	249	207	158	127	109	94.8	66.2

### Constant Power Discharge Characteristics Unit:Watt(25°C,77°F)

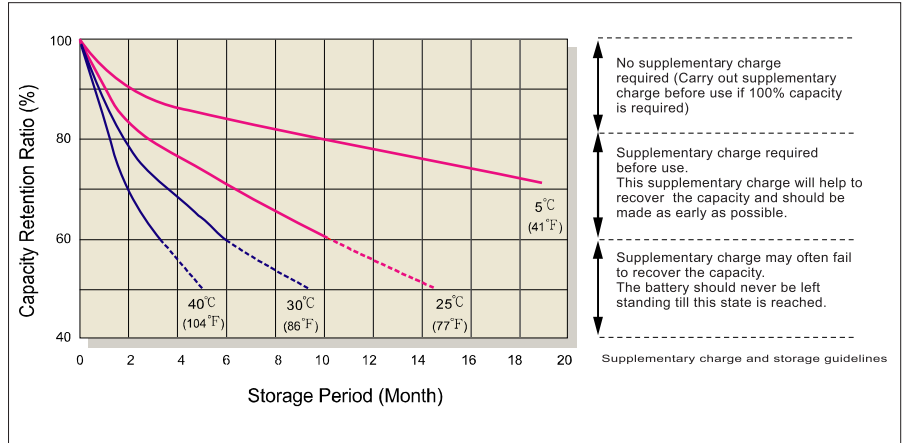
F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	40MIN	50MIN	60MIN	90MIN
1.60V	6,612	4,779	3,710	3,036	2,235	1,772	1,484	1,281	911
1.67V	6,200	4,596	3,600	2,969	2,205	1,747	1,463	1,277	902
1.70V	5,989	4,491	3,567	2,940	2,179	1,723	1,450	1,263	890
1.75V	5,576	4,250	3,391	2,853	2,115	1,699	1,430	1,240	878
1.80V	5,163	3,948	3,187	2,669	2,039	1,631	1,375	1,223	850
1.85V	4,671	3,567	2,913	2,445	1,868	1,525	1,292	1,157	799

● All mentioned values are average values.

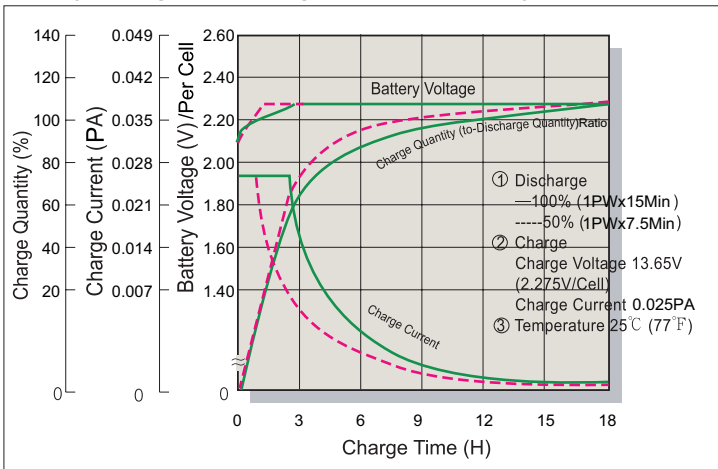
### Trickle (or Float) Service Life



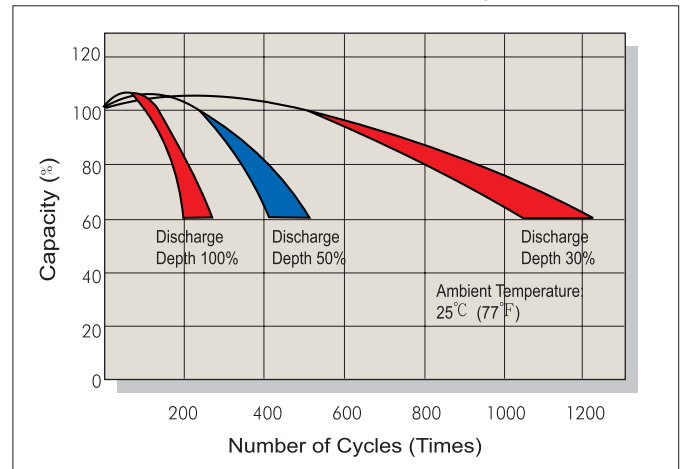
### Capacity Retention Characteristic



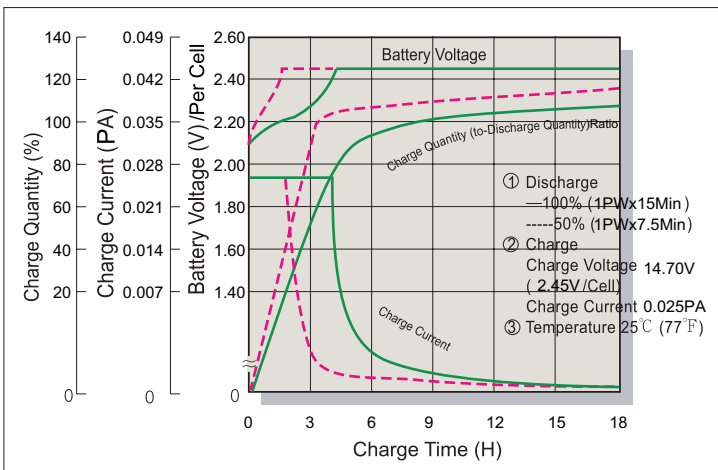
### Battery Voltage and Charge Time for Standby Use



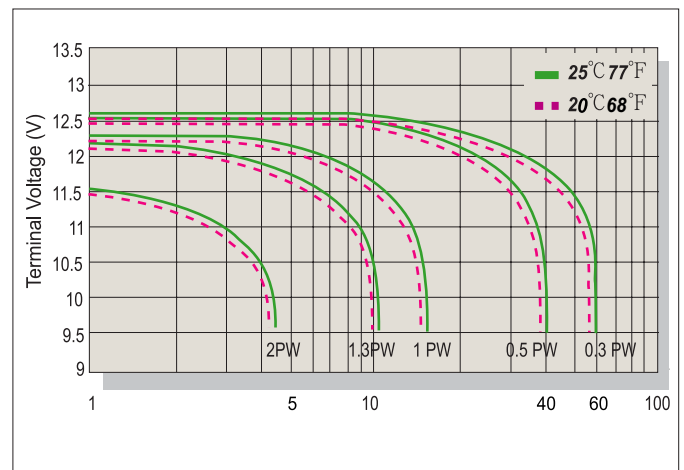
### Cycle Service Life



### Battery Voltage and Charge Time for Cycle Use



### Terminal Voltage (V) and Discharge Time



### Charging Procedures

Application	Charge Voltage(V/Cell)			Max.Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.1PA
Standby	25°C(77°F)	2.275	2.25~2.30	

### Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
Discharge Power(W)	0.1P>(W)	0.1P≤(W)<0.25P	0.25P≤(W)<1.0P	(W)≥1.0P

Sales Office URL: [WWW.CSB-BATTERY.COM](http://WWW.CSB-BATTERY.COM)

**CSB BATTERY CO., LTD.**  
 TAIWAN OFFICE  
 Tel: +886-2-2555-5600  
 Fax: +886-2-2555-3300  
 E-mail: service@csb-battery.com.tw

**CSB BATTERY TECHNOLOGIES (BEIJING) CO., LTD.**  
 BEIJING OFFICE  
 Tel: +86-10-59621300/59621301/59621302/59621303  
 Fax: +86-10-59621304  
 mail: chinasis@csb-battery.com

**CSB BATTERY TECHNOLOGIES, INC**  
 USA OFFICE  
 Tel: +1-817-244-7777/1-8003 CSBUSA(272872)  
 Fax: +1-817-244-4445  
 E-mail: csb@csb-battery.com

**CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.**  
 SHANGHAI OFFICE  
 Tel: +86-21-5046-1622, 5046-0833  
 Fax: +86-21-5064-3314  
 E-mail: chinasis@csb-battery.com

**CSB BATTERY OF NETHERLANDS B.V**  
 NETHERLANDS OFFICE  
 Tel: +31(0) 180 418 140  
 Fax: +31(0) 180 418 327  
 E-mail: eurosales@csb-battery.com

**CSB BATTERY LOGISTIC (SHANGHAI) CO., LTD.**  
 SHENZHEN OFFICE  
 Tel: +86-755-8831-6488/6396/16356  
 Fax: +86-755-8831-6548  
 mail: she@csb-battery.com.cn