



HR12-570WL

Specification

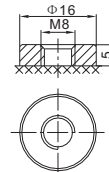
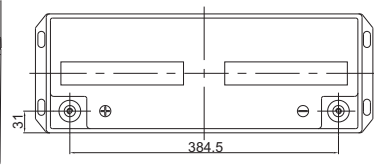
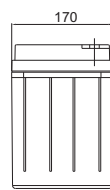
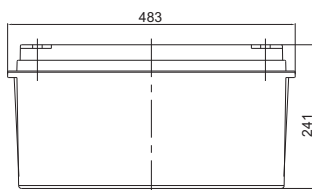
Cells Per Unit	6
Voltage Per Unit	12
Capacity	570W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 46.0 Kg (Tolerance ± 1.5%)
Internal Resistance	Approx. 3.8 mΩ
Terminal	F12(M8)
Max. Discharge Current	1500A (5 sec)
Short Circuit Current	3100A
Design Life	Could Reach 15 years
Recommended Maximum Charging Current	45 A
Reference Capacity	C10 141.5AH C20 150.0AH
Standby Use Voltage	13.6 V~13.8 V @ 25°C
Cycle Use Voltage	14.6 V~14.8 V @ 25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ± 5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.
Constainer Material	A.B.S. UL94-HB, UL94-V0 Optional.



The HR (High Rate) series Valve Regulated Lead Acid (VRLA) battery is designed for heavy load discharge applications with 15 years design life in float service. By using strong grids and specially designed active material the HR series is with lower I.R, lower self discharge rate, high power, and longer service life performance. Generally the HR series offers 30% more power output than the standard range. Suitable for high power standby and cycling situation, such as UPS, datacenter, electric tools et al.



Dimensions



F12 Terminal

Length	483±1mm (19.0 inches)
Width	170±1mm (6.69 inches)
Height	241±1mm (9.49 inches)
Total Height	241±1mm (9.49 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm

Constant Current Discharge Characteristics : A (25°C)

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	532.9	456.3	410.4	326.1	261.9	192.0	110.4	81.7
1.67V	493.1	428.1	385.1	309.1	244.3	183.0	105.2	77.8
1.70V	472.6	413.0	371.2	299.5	235.0	177.8	102.2	75.5
1.75V	446.4	392.4	348.5	285.5	228.6	172.8	100.5	73.8
1.80V	419.8	371.7	325.8	271.2	221.8	167.5	98.5	72.0
1.85V	391.8	349.5	302.0	255.8	214.1	161.3	96.1	69.8

Constant Power Discharge Characteristics : WPC (25°C)

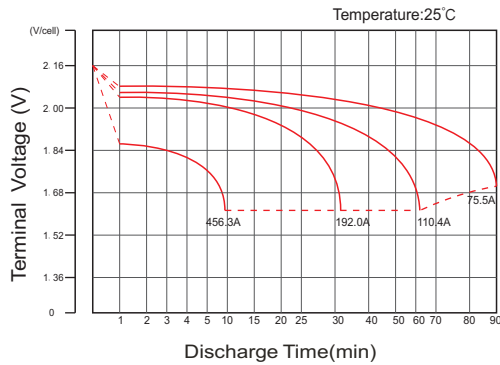
F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	950	826	747	597	481	354	204	152
1.67V	888	782	708	572	453	340	196	146
1.70V	861	764	690	560	441	335	193	143
1.75V	824	735	656	541	435	329	192	142
1.80V	786	706	623	521	428	324	191	140
1.85V	748	677	589	502	421	318	190	139

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

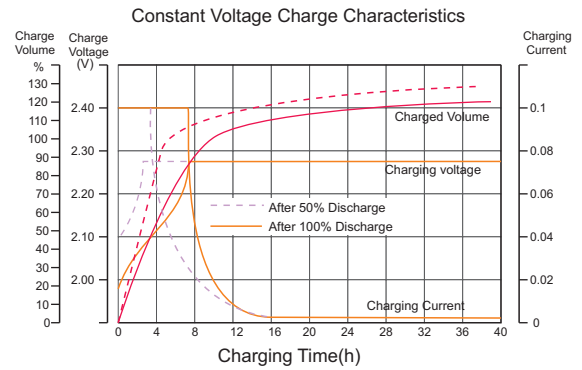
HR12-570WL



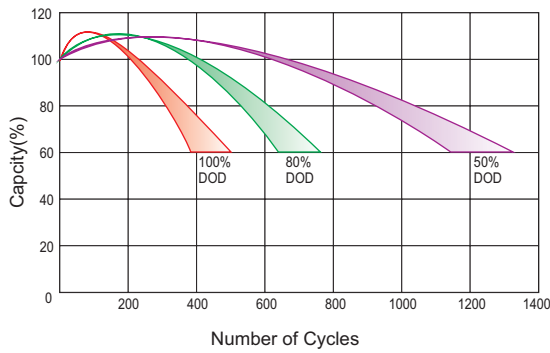
Discharge Characteristics Curve



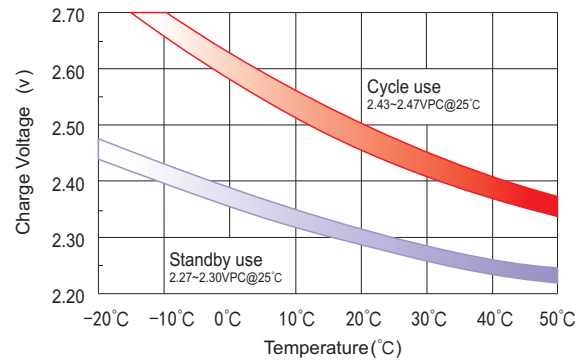
Charge Characteristic Curve For Standby Use



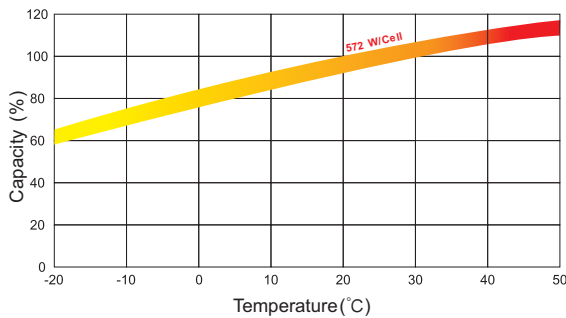
Cycle Life In Relation To Depth Of Discharge



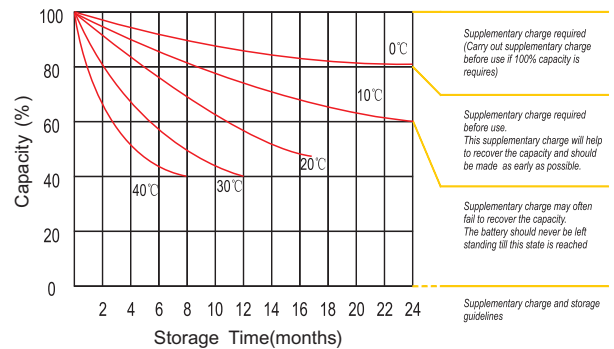
Relationship Between Charging Voltage And Temperature



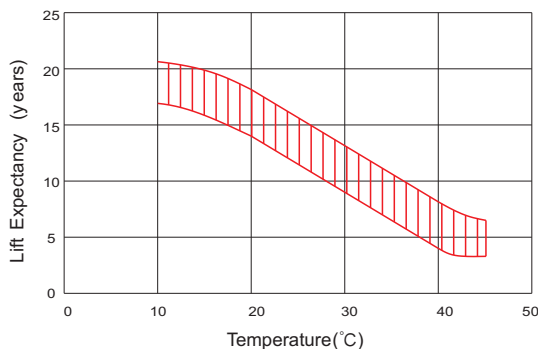
Temperature Effects On Capacity



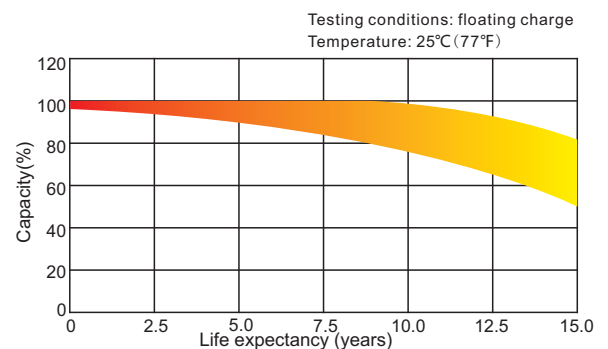
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



For Battery Sales + EPA Battery Recycling and AC / DC Power Services, please contact:

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