

The HRXL series VRLA batteries are designed to provide Extreme life in conventional temperature application as well as longer life than traditional VRLA batteries in high temperature applications. Perfectly suited to any application that requires a high rate current over a short period. The HRXL series combine proven high temperature technology to offer exceptional service life.



BAZR2.MH27487

Technical Features:

- ◆ Flame Retardant ABS Cover and Container, UL94 V-0, LOI>28%
- ◆ Patented copper alloy terminal design
- ◆ Epoxy TPS design for a high reliability post seal
- ◆ 6 month storage at 77°F (25°C), capacity > 80%
- ◆ Initial capacity 100%
- ◆ Low pressure one-way flame arresting catalyst valve(s) UL1989
- ◆ Optimized Grid Alloy, Separator and Pure Lead Paste
- ◆ Absorbent Glass Mat (AGM) Sealed Technology, Recombination efficiency of 99.9%

Compliance and Safety:

- ◆ **ISO 9001:2000 and ISO 14001:2004 certified production facilities**
- ◆ UL Recognized Component 924, for use in or with listed UL1778, UL1989 and UL924 systems
- ◆ IEC60896-21/22
- ◆ BS6290 part 4 / Eurobatt guide
- ◆ **TL9001 / ISO9001(TUV) Quality System**
- ◆ Battery installation compliant with: EN 50272-2
- ◆ All batteries meet or exceed IEEE recommended practices

Transportation:

- ◆ Classified as Nonspillable UN 2800 and meet the Nonspillable criteria listed in DOT-CFR Title 49, 171-189 (d) (3) (i) and (ii) and exempt from CFR 49, Subchapter C requirements
- ◆ Meets transportation conditions of IMDG exemption 238, IATA/ICAO Special Provision A67 (Not Restricted)

Operating Parameters

Float Charging Voltage	2.25Vpc to 2.27Vpc @ 77°F (25°C)
Equalize Charging Voltage	2.35Vpc to 2.40Vpc @ 77°F (25°C)
See Operations and Maintenance Manual for specific guidelines and recharge times	

Charging Temperature Compensation	-2 mV/cell/°F > 77°F (-3.6 mV/cell /°C > 25°C)
	+2 mV/cell/°F < 77°F (+3.6 mV/cell/°C < 25°C)

Maximum AC Ripple (Charger)	0.5% RMS, 1.5% peak-to-peak for float charge voltage for best results
Maximum Charge Current	C ₅ Rate Amps (5 hour rate @ 1.75vpc)

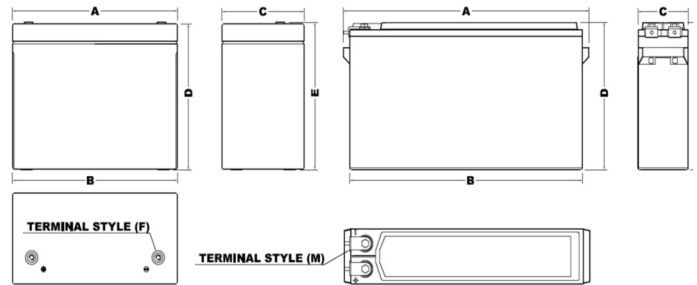
Electrolyte	Absorbed 1.300 s.g. H ₂ SO ₄
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Self-Discharge Rate	<2% per month at 77°F (25°C)
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Relief Valve	Self-resealing; Operates at 2 to 3 psi and is complete with integral flame arrestor
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Operating Temperature Range	
Nominal	+74°F (24°C) to 80°F (27°C)
Charge	-20°F (-28°C) to +104°F (40°C)
Discharge	-40°F (-40°C) to +104°F (40°C)
Storage Temperature Range	-4°F (-20°C) to +104°F (40°C)

TOP / FRONT TERMINAL			
Model	Size - Terminal Type	Terminal Torque	
		Nm	in-lbs.
12HRXL400	M6-F	8 ±1	78 ±5
12HRXL550	M6-F	8 ±1	78 ±5
12HRXL600	M6-M	8 ±1	78 ±5
12HRXL700	M6-M	8 ±1	78 ±5



Dimensions and Specifications

TOP TERMINAL																
Model	V	Ah 20hr 1.75 vpc 77°F	wpc 5min 1.67 vpc 77°F	wpc 15min 1.67 vpc 77°F	Total Length (A.)		Base Length (B.)		Width (C.)		Height (D.)		Height Top of Terminal (E.)		Weight	
					mm	in	mm	in	mm	in	mm	in	mm	in	Kg	Lbs
					12HRXL400	12	100	757	400	337	13.3	324	12.8	173	6.81	213
12HRXL550	12	140	1044	550	337	13.3	324	12.8	173	6.81	276	10.9	278	10.9	45	99
FRONT TERMINAL																
12HRXL600	12	153	1068	600	550	21.65	530	20.87	125	4.90	285	11.23			51	113
12HRXL700	12	193	1167	751	558	22	528	20.79	125	4.93	316	12.5			59	130

Discharge Rates

Constant Power Discharge Runtime in Minutes / Watts per Cell at 77°F (25°C) 1.60VPC													
TOP TERMINAL													
	V	Ah	VPC	5min	10min	15min	20min	30min					
12HRXL400	12	102	1.60	827	549	412	339	252					
12HRXL550	12	142	1.60	1096	758	577	472	346					
FRONT TERMINAL													
12HRXL600	12	153	1.60	1165	850	621	516	388					
12HRXL700	12	185	1.60	1301	984	790	653	462					

Constant Power Discharge Runtime in Minutes / Watts per Cell at 77°F (25°C) 1.67VPC												
TOP TERMINAL												
	V	Ah	VPC	5min	10min	15min	20min	30min	40min	50min	1h	
12HRXL400	12	102	1.67	757	536	400	332	249	201	169	146	
12HRXL550	12	142	1.67	1044	722	550	449	343	277	232	199	
FRONT TERMINAL												
12HRXL600	12	153	1.67	1068	798	600	503	384	292	249	217	
12HRXL700	12	185	1.67	1167	913	751	641	465	380	319	275	

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