



Reliable Battery Solutions

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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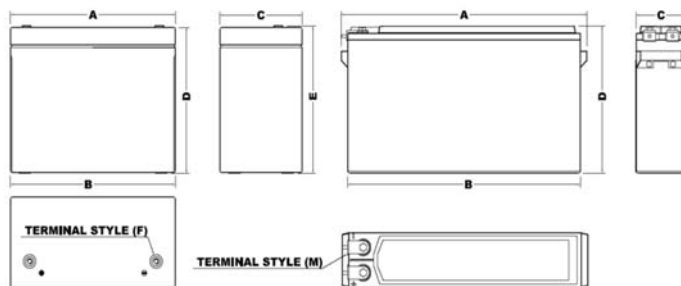
Self-Discharge Rate	<2% per month at 77°F (25°C)
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Relief Valve	Self-resealing; Operates at 2 to 3 psi and is complete with integral flame arrestor
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Operating Temperature Range	
Nominal	+74°F (24°C) 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)

High Rate Xtreme Series
HRXL

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
12HRXL730	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	8.39	215	8.46	34.0	75	
12HRXL550	12	140	1026	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	558	22	529	20.81	125	4.93	316	12.5			51	113	
12HRXL730	12	193	1150	750	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	325	233				
12HRXL550	12	142	1.60	1064	776	577	465	346				
FRONT TERMINAL												
12HRXL600	12	153	1.60	1165	819	621	516	388				
12HRXL730	12	185	1.60	1280	965	783	611	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	319	228	178	147	129	
12HRXL550	12	142	1.67	1026	763	550	457	342	274	229	197	
FRONT TERMINAL												
12HRXL600	12	153	1.67	1068	790	600	503	385	292	249	217	
12HRXL730	12	185	1.67	1150	945	750	585	444	359	303	262	

China: **Narada**
 NARADA POWER SOURCE CO.,LTD.
 No.459 Wensan Road, Hangzhou, Zhejiang, P.R.China

MPI Narada MPI-Narada
 44 Oak St
 Newton, MA 02464
 Tel: 800-982-4339 sales@mpinarada.com www.mpinarada.com

