

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-171
Name of the item to be scouted:	Valve Regulated Lead-Acid (VRLA) Batteries
State item to be used in:	None

Describe the Item:

<p>Please describe the item application/the end use of the item.</p>	<p>The National Oceanic and Atmospheric Administration (NOAA), National Weather Service (NWS), Office of Water Prediction (OWP) is tasked to perform research and development (R&D) for hydrologic services including production, testing and integration, and software development. To accomplish this suite of services, OWP leverages its operating locations based in Silver Spring at NWS HQ (SSMC2), in Tuscaloosa, AL, and Chanhassen, MN. Each of these locations leverages both the technology and human capital to maintain the Program Management Office (PMO) strategic goals and milestones. The National Water Center has an Eaton Corporation uninterrupted power supply (UPS) System that provides a power bridge between our utility power and our generators in the event we lose utility power. This protects the data centers, cooling equipment, security systems, as well as most desktops and laptops. Eaton replacement batteries are needed to ensure the health of the UPS system. Eaton brand PWHR12280W4FR VRLA batteries are drop-in replacements for the batteries currently in use in the UPS system. They are specifically designed for high power density and long life applications, and can be used for more than 260 cycles at 100% discharge in cycle service. valve regulated lead-acid (VRLA)</p>
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Supplier Information:

Type of Supplier Being Sought (select from the list below):	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
Reason for Scouting Submission (select from the list below)	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	x
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

<p>Describe the manufacturing processes (elaborate to provide as much detail as possible)</p>	<p>Unknown except as specified on attached data sheet</p>
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<p>Provide dimensions / size / tolerances / performance specifications of the item</p>	<p>Features: UL recognized components under UL1989 as well as ISO 9001 and ISO 14001 certified Specially designed for high power density and long life applications Small volume, lightweight, and high discharge efficiency Can be used for more than 260 cycles at 100% discharge in cycle service Absorbed glass mat (AGM) design Low self-discharge Built to comply with IEC 60896, DIN 473534, Eurobat Exclusive three year battery parts coverage and one year battery labor coverage (with option to purchase labor coverage for years 2 and 3) Technical Specifications: Cells (per battery): 6 Voltage (per battery): 12 Rating: 280W @ 15 minute-rate to 1.67V per cell @ 77°F (25°C) Weight: Approx. 56.89 lb. (25.80 kg) Lead weight: Approx. 41.12 lb. (18.65 kg) Maximum discharge current: 800 A (5 seconds) Short circuit current: 2576 A Internal resistance (approximate): Approx. 3.5 mΩ Operating temperature range: Discharge: -15°C to 50°C (5°F to 122°F); Charge: -15°C to 40°C (5°F to 104°F); Storage: -15°C to 40°C (5°F to 104°F) Float charging voltage: 13.5 to 13.8 VDC/unit; Average at 77°F (25°C) Container material: Polypropylene Dimensions: Length (L): 261.0 ± 2.5 mm 10.28 ± 0.10 inch Width (W): 168.5 ± 2.0 mm 6.63 ± 0.08 inch Container Height (H): 210.5 ± 2.5 mm 8.29 ± 0.10 inch Overall Height (H): 213.5 ± 2.5 mm 8.41 ± 0.10 inch</p>
<p>List required materials needed to make the product, including materials of product components, if applicable</p>	<p>Unknown except as specified on attached data sheet</p>
<p>Are there applicable certification requirements?</p>	
<p>Yes</p>	
<p>No</p>	x
<p>Please explain:</p>	
<p>Are there any applicable regulations that apply to the production of this item?</p>	
<p>Yes</p>	
<p>No</p>	x
<p>Please explain:</p>	
<p>Are there any other standards / requirements?</p>	
<p>Yes</p>	
<p>No</p>	x
<p>Please explain:</p>	
<p>NAICS CODES:</p>	
<p>NAICS 1</p>	335910 Battery Manufacturing
<p>NAICS 2</p>	
<p>Additional Comments:</p>	
<p>Additional technical comments:</p>	<p>See attached data sheet for power discharge table and drawings.</p>
<p>Volume and Pricing:</p>	
<p>Estimated Potential Business Volume (i.e. #units per day, month, year):</p>	<p>One-tiem purchase</p>
<p>Estimated Target Price/Unit Cost Information:</p>	<p>\$33,796.00</p>
<p>Delivery Requirements:</p>	
<p>When is it needed by? (Immediate, 30 days, 6 months, etc.)</p>	<p>Estimate award of contract no later than end of current fiscal year (by 09/20/2024), with delivery required by 30 days after date of award.</p>
<p>Describe packaging requirements (i.e. individually/group packaging, etc.)</p>	<p>Product must be delivered undamaged.</p>
<p>Where will this item be shipped?</p>	<p>Tuscaloosa, AL</p>
<p>Additional Comments:</p>	
<p>Is there other information you would like to include?</p>	<p>This is a Simplified Acquisition, which has a shorter lead time to completion than an action over \$250,000.00. It is expected that this requirement will be awarded within the next 30-60 days, and any timely scouting (requested completed within 15 days from submission) would be appreciated to align with Simplified Acquisition requirements for posting and the Buy American Act Waiver process. Agency contact information for questions on BABA/Buy American compliance: Department of Commerce Point of Contact: Marcelle Loveday, Director, Acquisition Policy & Workforce Office of Acquisition Management MLoveday@doc.gov</p>

Eaton 12V 280W battery



Features:

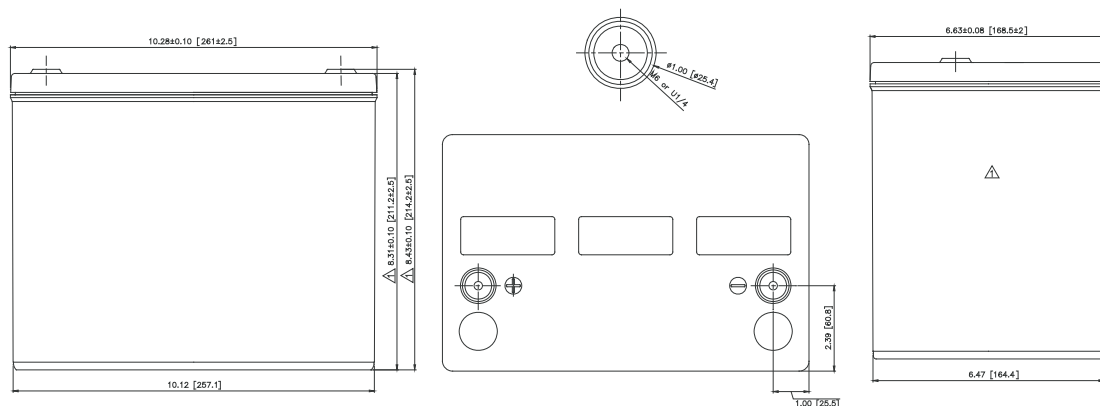
- UL recognized components under UL1989 as well as ISO 9001 and ISO 14001 certified
- Specially designed for high power density and long life applications
- Small volume, lightweight, and high discharge efficiency
- Can be used for more than 260 cycles at 100% discharge in cycle service
- Absorbed glass mat (AGM) design
- Low self-discharge
- Built to comply with IEC 60896, DIN 473534, Eurobat
- Exclusive three year battery parts coverage and one year battery labor coverage (with option to purchase labor coverage for years 2 and 3)

CONSTANT POWER DISCHARGE CHARACTERISTICS: WATTS/CELL (77°F, 25°C)

End voltage	Discharge time (minutes) with constant power load (Watts/cell) at 77°F (25°C)									
(Volts/cell)	5 min	10 min	15 min	20 min	30 min	40 min	45 min	50 min	60 min	90 min
1.85 V	336	276	235	202	156	127	116	106	92	67
1.80 V	388	300	249	212	163	134	123	113	97	70
1.75 V	436	326	263	221	171	139	130	117	100	73
1.70 V	480	350	274	231	177	144	132	121	103	76
1.67 V	506	361	283	236	180	146	134	123	106	78
1.60 V	559	384	298	246	185	148	137	127	108	81

All mentioned values are average values per battery per cell.

DIMENSIONS H x W x D in (mm)



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TECHNICAL SPECIFICATIONS

Cells (per battery)	6
Voltage (per battery)	12
Rating	280W @ 15 minute-rate to 1.67V per cell @ 77°F (25°C)
Weight	Approx. 56.89 lb. (25.80 kg)
Lead weight	Approx. 41.12 lb. (18.65 kg)
Maximum discharge current	800 A (5 seconds)
Short circuit current	2576 A
Internal resistance (approximate)	Approx. 3.5 mΩ
*Operating temperature range	Discharge: -15°C to 50°C (5°F to 122°F) Charge: -15°C to 40°C (5°F to 104°F) Storage: -15°C to 40°C (5°F to 104°F)
Float charging voltage	13.5 to 13.8 VDC/unit Average at 77°F (25°C)
Container material	Polypropylene
Dimensions	Length (L): 261.0 ± 2.5 mm 10.28 ± 0.10 inch Width (W): 168.5 ± 2.0 mm 6.63 ± 0.08 inch Container Height (H): 210.5 ± 2.5 mm 8.29 ± 0.10 inch Overall Height (H): 213.5 ± 2.5 mm 8.41 ± 0.10 inch

* It is recommended to keep the ambient air temperature the battery is used in at 25°C (77°F) for optimal battery life and discharge performance.



For more information, please visit
[Eaton.com/UPSbatteries](https://www.eaton.com/UPSbatteries)

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