

ADRF-BBU-W Series

12V / 24V / 48V Battery Backup
Solution for ADRF Repeater / DAS



Product Features

- Wall mountable battery enclosure with support for 12V, 24V, and 48V configurations
- Certified to UL 2524, Second Edition by Underwriters Laboratories
- NFPA 72-2013, NFPA 1221-2016/2019, NFPA 1225, IFC 2015/2018/2021 code compliant
- Support for up to 24-hour runtime and all NFPA / IFC compliant alarms
- Increase runtime by adding unit using parallel cable ADRF-BBX-U-CBL-21P
- Increase voltage by adding unit using series cable ADRF-BBX-U-CBL-21S

Electrical Specifications	ADRF-BBU-W-045-4S	ADRF-BBU-W-045-2P	ADRF-BBU-W-045-2S	ADRF-BBU-W-120-2P	ADRF-BBU-W-120-2S
Operating Voltage	48 V	12 V	24 V	12 V	24 V
Battery Capacity	48 Ah	96 Ah	48 Ah	240 Ah	120 Ah
Configuration	4EA in Series	2EA in Parallel	2EA in Series	2EA in Parallel	2EA in Series
Battery Type	Sealed Lead Acid AGM	Sealed Lead Acid AGM	Sealed Lead Acid AGM	Sealed Lead Acid AGM	Sealed Lead Acid AGM

Mechanical Specifications

Dimension (W x H x D)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)
Weight (Enclosure)	50.7 lbs. (22.9 kg)	50.7 lbs. (22.9 kg)	50.7 lbs. (22.9 kg)	50.7 lbs. (22.9 kg)	50.7 lbs. (22.9 kg)
Weight (Batteries)	29.8 lbs. x 4 (13.5 kg. x 4)	29.8 lbs. x 2 (13.5 kg. x 2)	29.8 lbs. x 2 (13.5 kg. x 2)	70.0 lbs. x 2 (31.7 kg. x 2)	70.0 lbs. x 2 (31.7 kg. x 2)
Weather Resistance	Type 4 / NEMA 4	Type 4 / NEMA 4	Type 4 / NEMA 4	Type 4 / NEMA 4	Type 4 / NEMA 4
Cooling	Air Convection	Air Convection	Air Convection	Air Convection	Air Convection
Mounting Type	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount

Battery Runtime

PSR-VU/U-9537-U	13.5 Hours	-	-	-	-
PSR-78-9533-U (single/dual)	-	-	11.4 / 9.0 hours	-	28.6 / 22.6 hours
PSR-78-9537-U (single/dual)	-	-	8.4 / 5.8 hours	-	21.1 / 14.5 hours
FiRe-78-8-U	-	-	11.7 hours	-	32.0 hours
ADXV-R-3378P-U	-	-	27.2 hours	-	61.2 hours
PSR-78-8527-PKG	-	-	12.5 hours	-	31.4 hours
ADXV-HE (4RU) - 700/800	-	15.4 hours	-	41.1 hours	-
ADXV-HE (4RU) - VHF/UHF	-	16.3 hours	-	43.6 hours	-
ADXV-HE (8RU) - 700/800	-	10.0 hours	-	26.6 hours	-
ADXV-HE (8RU) - VHF/UHF	-	10.3 hours	-	27.6 hours	-

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Product Specifications (Continued)

Electrical Specifications

	ADRF-BBU-W-125-2P	ADRF-BBU-W-125-2S
Operating Voltage	12 V	24 V
Battery Capacity	250 Ah	125 Ah
Configuration	2EA in Parallel	2EA in Series
Battery Type	Lithium	Lithium

Mechanical Specifications

Dimension (W x H x D)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)	17.6 x 22.1 x 11.0 in. (446 x 561 x 279 mm.)
Weight (Enclosure)	50.7 lbs. (22.9 kg.)	50.7 lbs. (22.9 kg.)
Weight (Batteries)	34.2 lbs. x 2 (15.5 kg. x 2)	34.2 lbs. x 2 (15.5 kg. x 2)
Weather Resistance	Type 4 / NEMA 4	Type 4 / NEMA 4
Cooling	Air Convection	Air Convection
Mounting Type	Wall Mount	Wall Mount

Battery Runtime

PSR-VU/U-9537-U	-	-
PSR-78-9533-U (single/dual)	-	29.8 / 23.5 hours
PSR-78-9537-U (single/dual)	-	22.0 / 15.1 hours
FiRe-78-8-U	-	33.3 hours
ADXV-R-3378P-U	-	63.8 hours
PSR-78-8527-PKG	-	32.7 hours
ADXV-HE (4RU) - 700/800	42.8 hours	-
ADXV-HE (4RU) - VHF/UHF	45.4 hours	-
ADXV-HE (8RU) - 700/800	27.7 hours	-
ADXV-HE (8RU) - VHF/UHF	28.8 hours	-