

# SIGNAL BOOSTER Battery Backup Unit

## 6160 SERIES



### Uninterruptible Backup Voltage

The 6160 Battery Backup Units from Bird are designed to provide uninterruptible backup voltage for critical signal boosters during times of power loss or outage. The backup unit can maintain full continuous operation of the signal booster for a minimum of either 12 or 24 hours, depending on system requirements. The integrated battery charger and monitor system maintains peak battery level when the main power source is present. LED status indicators and auxiliary alarm connections facilitate remote monitoring. When used in conjunction with a NFPA/IFC signal booster, the battery backup system provides a fully compliant solution to NFPA72, NFPA1221, or IFC.

#### PRODUCT FEATURES

- Maintenance-free, sealed, high capacity lead acid batteries.
- Housed in a red, NEMA4 rated enclosure.
- Two models available to meet backup requirements.
- On board and remote monitoring capability.
- Batteries maintain constant full charge via main power source in order to be ready when needed.

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## Specifications

### SYSTEM

<b>AC Input</b>	
<b>6160-110-24-NR</b>	120 VAC 50-60 Hz @ 3.3 Amp
<b>6160-220-24-NR</b>	120 VAC 50-60 Hz @ 3.3 Amp
<b>6160-220-24-NR-230</b>	230 VAC 50-60 Hz @ 2.2 Amp
<b>DC Output</b>	24 VDC at 10 Amps (max load)
<b>Remote Alarm Outputs</b>	Charger Fail, Low Battery Capacity, and Loss of AC
<b>Alarm Contacts</b>	Form C, 1 A @ 30 VDC, 0.5 A @ 120 VAC
<b>Status LED Indicators</b>	AC Fail, Low Battery, Status, with different blink rates
<b>Battery Type</b>	Sealed lead-acid
<b>Batteries Ah</b>	
<b>6160-110-24-NR</b>	(2) - 110 Amp-hour
<b>6160-220-24-NR</b>	(4) - 220 Amp-hour
<b>6160-220-24-NR-230</b>	(4) - 220 Amp-hour

### PHYSICAL

<b>Cabinet Type</b>	NEMA 4 Enclosure
<b>Cabinet Color</b>	Red
<b>Cabinet Size</b>	
<b>6160-110-24-NR</b>	18 in x 26 in x 15 in for 110 Ah unit
<b>6160-220-24-NR</b>	31 in x 26 in x 15 in for 220 Ah unit
<b>6160-220-24-NR-230</b>	31 in x 26 in x 15 in for 220 Ah unit
<b>Weight</b>	<b>With batteries installed</b>
<b>6160-110-24-NR</b>	~210 lb for 110 Ah unit
<b>6160-220-24-NR</b>	~400 lb for 220 Ah unit
<b>6160-220-24-NR-230</b>	~400 lb for 220 Ah unit

### ENVIRONMENTAL

<b>Operating Temperature</b>	0 °C to 50 °C
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### PRODUCT SELECTION GUIDE

Booster Family	Number of backup hours needed	Battery backup	Recommended Models	Description
All standard LMR booster models (SBII, SBII+, SBIII - single or dual band)	12	110 Ah	6160-110-24-NR	Signal Booster Battery Backup Unit, 110 Amp-hour, 24 VDC output, NFPA, Red
SBII and SBII+ single band	24	110 Ah	6160-110-24-NR	Signal Booster Battery Backup Unit, 110 Amp-hour, 24 VDC output, NFPA, Red
SBII and SBII+ dual band	24	220 Ah	6160-220-24-NR 6160-220-24-NR-230	Signal Booster Battery Backup Unit, 220 Amp-hour, 24 VDC output, NFPA, Red
SBIII single or dual band	24	220 Ah	6160-220-24-NR 6160-220-24-NR-230	Signal Booster Battery Backup Unit, 220 Amp-hour, 24 VDC output, NFPA, Red

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