

# **OutBack** **EXTREME**<sup>™</sup>

RUGGED INVERTER/CHARGER



The OutBack Extreme Series Inverter/Charger is a highly reliable all-in-one power solution. Incorporating rugged components not available in regular "commercial off the shelf" inverter/chargers, the OutBack Extreme Series Inverter/Charger can survive harsh environmental conditions including extreme shaking and vibration.

Our true sinewave inverter/charger uses intelligent battery charging and has an integrated AC transfer switch with automatic neutral/ground switching for mobile applications. The OutBack Extreme Series Inverter/Charger produces low distortion AC power for all of your mobile electrical needs and industry leading surge power starts multiple heavy loads simultaneously.

The OutBack Extreme Series Inverter/Charger is designed to meet your needs today, tomorrow and in the future. Our integrated building block architecture allows you to expand your system from 2 to 36 kW and user defined settings allow your system to operate at 120 VAC, 120/240 VAC or 120Y208 VAC three-phase by stacking multiple inverter/chargers together.

**Extremely Rugged**

**True Sinewave AC Output**

**Efficient Battery Charging**

**High Surge Power Capability**

**Easy to Use**

**Silent Operation**

**"Mount Anywhere" Design**

**High Efficiency**

**Neutral/Ground Switching**

**Field Serviceable**

**Powder Coated Aluminum Chassis**

**Water Resistant**

**Standard 1 Year Warranty**

OutBack's Sealed OutBack Extreme Series Inverter/Charger is considered the most rugged design in the world. Conformal coated circuit boards, a powder coated die-cast aluminum chassis protects the unit's internal components from the environment, resisting water and corrosion. Simply put, the sealed OutBack Extreme Series is designed to work where other inverter/chargers were never intended to go.

## OBX Series Specifications

|                                          |            | OBX-IC2524P-120/60                                         | OBX-IC2024P-230/50                                         |
|------------------------------------------|------------|------------------------------------------------------------|------------------------------------------------------------|
| Nominal DC Input Voltage                 |            | 24VDC                                                      | 24 VDC                                                     |
| Continuous Power Rating at 25° C         |            | 2500 VA                                                    | 2000 VA                                                    |
| AC Voltage/Frequency                     |            | 120VAC/60 Hz                                               | 230 VAC 50 Hz                                              |
| Continuous AC RMS Output at 25° C        |            | 20.8 Amps AC                                               | 8.7 amps AC                                                |
| Idle Power                               | Full       | ~20 Watts                                                  | ≈ 20 Watts                                                 |
|                                          | Search     | 6 Watts                                                    | 2.6 Watts                                                  |
| Typical Efficiency                       |            | 92%                                                        | 92%                                                        |
| Total Harmonic Distortion                | Typical    | 2%                                                         | 2%                                                         |
|                                          | Maximum    | 5%                                                         | 5%                                                         |
| Output Voltage Regulation                |            | ±2%                                                        | ± 2%                                                       |
| Maximum Output Current                   | Peak       | 70 Amps AC                                                 | 35 amps AC                                                 |
|                                          | RMS        | 50 Amps AC                                                 | 25 amps AC                                                 |
| AC Overload Capability                   | Surge      | 6000 VA                                                    | 5750 VA                                                    |
|                                          | 5 Seconds  | 4800 VA                                                    | 4800 VA                                                    |
|                                          | 30 Minutes | 3200 VA                                                    | 3100 VA                                                    |
| AC Input Current Maximum                 |            | 30 Amps AC                                                 | 30 amps AC                                                 |
| AC Input Voltage Range (MATE Adjustable) |            | 80 to 150 VAC                                              | 160 to 300 VAC                                             |
| AC Input & Frequency Range               |            | 54.0 to 66.0 Hz                                            | 44 to 56 Hz                                                |
| DC Input Range                           |            | 21.0 to 34.0 VDC                                           | 21.0 to 34.0 VDC                                           |
| Continuous Battery Charge Output         |            | 55 Amps DC                                                 | 55 amps DC                                                 |
| Recommended Battery Cable                |            | #2/0AWG                                                    | #2/0AWG                                                    |
| Recommended Battery Types                |            | Flooded lead acid, AGM, gel                                | Flooded lead acid, AGM, gel                                |
| Certifications                           |            | Meets portions of MIL STD 810R, Wheeled & Tracked Profiles | Meets portions of MIL STD 810R, Wheeled & Tracked Profiles |
| Warranty                                 |            | Standard 1 Year                                            | Standard 1 year                                            |
| Weight                                   | Unit       | 56 lbs (25 kg)                                             | 56 lbs (25 kg)                                             |
|                                          | Shipping   | 67 lbs (30 kg)                                             | 67 lbs (30 kg)                                             |
| Dimensions (H x W x L)                   | Unit       | 13 x 8.25 x 16.25" (33 x 21 x 41 cm)                       | 13 x 8.25 x 16.25" (33 x 21 x 41 cm)                       |
|                                          | Shipping   | 21.75 x 13 x 22" (55 x 33 x 56 cm)                         | 21.75 x 13 x 22" (55 x 33 x 56 cm)                         |



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