RIPEENERGY
The Power Conversion Company

SINEWAVE INVERTER / CHARGER

SERIES OBX-IC2024P

One Unit – 3 functions: Charging, UPS, AC-Power

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.
Our integrated building block architecture allows you to expand your system from 2 to 20 kW and user defined settings allow your system to operate at 230 VAC or 230Y400 VAC three-phase by stacking multiple inverter/chargers together.
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.

Pure Sinewave
Charger
Transfer switch
Stand-by Mode
Remote control port
Extended temperature range
Multiple electronic protection
Waterproof
Programmable (optional)
Digital display (optional)

APPLICATIONS

OBX (Sealed)
– Marine & other rugged environments
– Electric Utilities and Substations
– Base Station Power
– Industrial Controls
– Emergency Power Backup (UPS)
– Tropical climates
– Demanding environments

FEATURES

– Full Ruggedized / Tropicalized
– Waterproof IP61
– Environmentally Tolerant
– Built-in intelligent Battery Charging System up to 55 A continuous charging current
– 5-Stage, intelligent charger (bulk, absorb, float, silent, manual EQ)
– Built-in automatic AC-Transferswitch (max. switch capacity 30A)
– Programmable AUX output
– Programmable for seven different modes with generator assist
– Smooth, true sinewave AC output
– Inverter/chargers can be stacked from 2000VA up to 20000VA of continuous AC power
– 3-Phase configuration possible
– Remote control optional available
– All relevant parameters programmable and stored in a non volatile memory

SPECIFICATIONS

Inverter / Charger Model		OBX-IC2024P
Electrical Specifications Inverter		
Nominal DC-Input Voltage	VDC	24
DC-Input Range (adjustable low battery cut-out)	VDC	21 - 34
AC-Output Voltage	VAC	230
AC-Output Frequency	Hz	50Hz
Output Voltage Regulation	%	+/- 2
Continuous Power Rating at 25° C	VA	2000
Peak Power (from 25° C start) 30min	VA	3100
Surge Power (from 25° C start) 5 sec	VA	4800
Instantaneous Power (from 25° C start) 100ms	VA	5750
Continuous AC-Output	AAC RMS	8.7
Efficiency at 25° C	%	92
Total Harmonic Distortion typical	%	2
Idle Power Full Search Off	VA	~ 20 ~ 6 ~ 3
Electrical Specifications Charger		
AC-Input Voltage Range	VAC	160 - 300
AC-Input Frequency Range	Hz	44 - 56
AC-Input Current max (adjustable limits)	AAC	30
Continuous Battery Charge Current (adjustable)	ADC	55
Charge Characteristics		5-stage (bulk, absorb, float, silent, manual EQ)
Advanced Battery Charging		Flooded lead acid , gel, AGM
Battery temperature compensation	VDC	0.1 / °C Remote temperature sensor (optional)
Specifications Transferswitch		
Current capacity	AAC	30
Transfer time	ms	4 - 6 max. 10
Other Specifications		
Cooling		By conduction / convection
Operating temperature range	°C	- 40 to + 60 derating 20VA for each degree C° above 25° C ambient temperature
Relative Humidity Rating	%	93
Conformal coating		•
Full ruggedizing		•
Sealed		•
Connectons		DC: Threaded stud M8 AC: Terminal Block max. 6 mm2 or #10 AWG
Dimensons (LxWxH)	cm	41.5 x 21 x 33.5
Weight	Kg	29
Shipping weight	Kg	30
Listings/Certifications		EN 61000-6-3, EN 61000-6-1, EN61000-3-2, EN 61000-3-3, EN60950-1 IEC 62109-2:2011 Meets parts ofMIL STD 810 and MIL STD 1275D Wheeled & Tracked Profile
RoHS Compliant		Yes

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Specifications Subject to Change Without Notice

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