



xunzel™

applied Solar and Wind Energy™

PRODUCT NOTE

# XUNZEL-IXS™ Series

## Smart True Sinewave Inverter/Charger



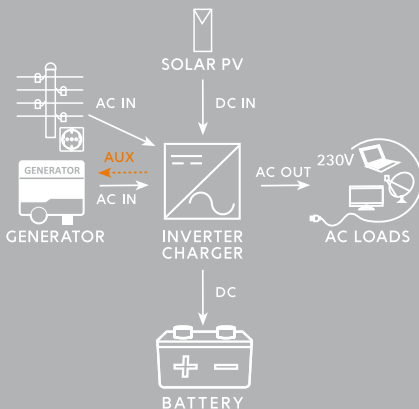
XUNZEL-IXS™



Communication and Remote Control Ports Ready Output



Digital Display Easy to use



## XUNZEL - IXS™ Series Smart True Sinewave Inverter/Charger With Integrated Solar Charger

### Product Overview

These new **XUNZEL-IXS™ Smart True Sinewave Inverter and Battery Charger** are the ideal solution for off-grid and backup power applications. Convert battery power to household AC power and recharge your batteries.

Easy to use and install, these pure sinewave inverter + chargers are controlled by a microprocessor for high efficiency, have selectable charging current, solar Charger Controller (PWM or MPPT) included. They are smart Battery Chargers and have configurable AC / SOLAR input priority via LCD. With Relay for an automatic start of a generator. They are very lightweight with anodized aluminum casing. Low power consumption for energy saving. With full protections, overload, over-temperature and short circuit protection. Cold Start Function. Low/High battery alarm and protection.

Sinewave output to run motor loads and sensitive electronics. Ideal inverter for running microwave ovens, kitchen appliances and consumer electronics.

### Available Models

- IXS-1000-12-PWM-R** 12VDC / 1000VA-800W / PWM - Solar Charger
- IXS-3000-24-PWM-R** 24VDC / 3000VA-2400W / PWM - Solar Charger
- IXS-5000-48-PWM-R** 48VDC / 5000VA-4000W / PWM - Solar Charger
- IXS-5000-48-MPPT-R** 48VDC / 5000VA-4000W / MPPT - Solar Charger

### XUNZEL-IXS™ Features and Benefits

- **Smart** Microprocessor controller for high efficiency. With selectable charging current
- **Included Solar Charger Controller** (PWM or MPPT)
- **Configurable** AC / SOLAR input priority via LCD
- **With Relay** for an automatic start of a generator (DCCP) (optional)
- Isolation design between input and output for safety guarantee. Lightweight, stainless steel and anodized aluminum casing
- Low power consumption for energy saving
- Overload, over-temperature and short circuit protection
- Cold Start Function.
- Low/High battery alarm and protection
- Parallel operation with up to 4 units for IXS5000 models to increase power up to 20kVA in single-phase mode and 15kVA in three-phase mode (PKIXS5000)(Optional).

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



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## XUNZEL-IXS™ Specifications



Model	IXS-1000-12-PWM-R	IXS-3000-24-PWM-R	IXS-5000-48-PWM-R	IXS-5000-48-MPPT-R
Rated Power:	1000 VA / 800W	3000 VA / 2400W	5000 VA / 4000W	5000 VA / 4000W
Input DC Voltage:	12 VDC	24 VDC	48 VDC	48 VDC
Efficiency (peak):	90%	93%	93%	93%
Max. Charge Current:	10 or 20A	20 or 30A	2A, 10A, 20A or 30A	2A, 10A, 20A or 30A
Saving Mode Power Consumpt	<5W	<10W	<15W	<15W
Output AC Voltage (50-60Hz):	230VAC ± 5%	230VAC ± 5%	230VAC ± 5%	230VAC ± 5%
Surge Power:	2000 VA/1600W	6000 VA/4800W	10000 VA/8000W	10000 VA/8000W
Transfer time:	10ms/20ms	10ms/20ms	10ms/20ms	10ms/20ms
Dimensions (D x W x H mm):	100 x 242 x 327	105 x 275 x 370	120 x 300 x 472	140 x 295 x 540
Net Weight (kg):	6.1	7.4	9.8	13.4
Solar Charge Controller (included):	50A / MAX. 30VDC PWM	50A / MAX. 60VDC PWM	50A / MAX. 90VDC PWM	60A / MAX. 115VDC MPPT
Minimum Battery Capacity (recommendation):	100Ah-12V	200Ah-24V	200Ah-48V	200Ah-48V

## Available Accessories

- PKIX5000: parallel connection KIT for multiple units IXS5000-48
- DCCP: KIT relay for IXS1000-12, IXS3000-24 and IXS5000-48.



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