

# XJDIN150242



**Pure sine wave power Inverter (DC to AC)  
with remote control input | DIN rail mounting  
150W for Lithium-iron 25.6V and Pb lead-acid 24V battery**

order part number:

**XJDIN150242**

## High Power up to 150W

150W | 0.65A | 230VAC – 50Hz

## Battery Input

24VDC | 7.0A for Lithium and Pb-Lead acid battery

## Plug&Play

## Compact size

Maximize available space

## Pure Sinewave AC Output

True Sine Wave AC output, with very Low Total Harmonic Distortion (THD). Ensure the correct functioning of sensitive devices.

## Flexible Mounting

DIN rail mounting

## High efficiency

Specially designed for off-grid solar systems and back-up systems connected to the grid and streetlights.



## Pure sine-wave Power Inverter (DC to AC) 150W | 230VAC-50Hz 1-phase | Input 24VDC (battery)



State of the art and easy to use design, this inverter will offer you reliable service for providing AC power from battery.

True sine wave output. Ideal for operating motor loads, fine electronics and reduce stress on surge protections circuitry, meaning potentially longer equipment life.

Very low self-consumption. With Power-Saving –Standby- mode, with automatic return to normal mode, that helps minimize energy waste when the inverter is not actively powering the load. Improve Energy Conservation and reduces overall energy consumption, Extended Lifespan, leading to a longer operational life and Ready for Operation when needed.

High efficiency cooling design without fan.

With Remote Control Input.

DIN rail mounting and screw connector terminals.



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## Technical specifications

Part number	XJDIN150242
Output power (P <sub>N</sub> )	150VA
Overload capacity	Peak power: 225VA ±15VA 5 sec. (at 25degC)
Output current	0.65A
Output voltage   frequency	230V ±5%   50Hz True sine (THD < 3%)
Input voltage range Nominal	20V DC to 32VDC (Battery Only) 24VDC for Lithium and Pb-Lead acid battery
Undervoltage protection Overvoltage protection	21V DC 50V DC, 3 sec.
Input Current	7.0A DC MAX.
Input and Output Connections	<p>Input: (Battery DC) Screw connectors   Cable cross section: 2.5 mm<sup>2</sup> ... 4.0 mm<sup>2</sup>   12 AWG .... 10 AWG Stripping length: 6.5 mm   Tightening torque: 0.56 N•m   5 Lb•in</p> <p>Output: (AC): Screw connectors   Cable cross section: 1.0 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>   18 AWG .... 14 AWG Stripping length: 6.5 mm   Tightening torque: 0.56 N•m   5 Lb•in</p>
LED Status and diagnostic indicator	<p>LED GREEN ON: Temperature &lt; 50degC   Vin: 23V DC ~ 29V DC LED GREEN Flashing (25% ON PERIOD 1 SEC.): High temperature (50-60degC)   22V DC &lt; Vin &lt; 23V DC   Vin &gt; 29V DC LED RED Flashing (25% ON PERIOD 1 SEC.): High temperature (&gt;60degC)   Vin &lt; 22V DC (Battery Low)   Vin &gt; 31V DC or the load exceeds 105% of the rated value LED RED ON: Protection mode Error: Over temperature protection (T &gt; 65degC)   Undervoltage protection (Vin &lt; 21Vdc)   Over Power protection (130% longer than 5s)   Short circuit Protection</p>
Remote control input	Install a switch between RC1 and RC2 terminals in order to switch the inverter on and off remotely. Contact rating: 100mA@24Vdc
Quiescent current Standby/Sleep mode (selectable)	<200mA <140mA   Threshold: ~15W-20% resistive nonadjustable
Overvoltage category IEC/EN 61010-1	OVC II
Efficiency (for nominal values)	Up to 90 %
Protection Index / Protection class	IP20 / Class I
Operating Temperature   Humidity	-25 to +60 °C (-13 to +140 °F) (derating: 2.5 %/K)   5% to 90% RH (at +25degC non-condensing) Convection cooling (fanless)
Storage Temperature	-40 to + 85 degC (-40 to +185 °F)
Altitude	max. 4000m
Dimensions   Weight	100 x 90 x 40 mm (3.94 x 3,54 x 1.57")   330gr (11.64oz)
Protections	Short Circuit Protect (If there is a short circuit, a manual restart is required.) Over Current Protect, Over Temperature Protect, Reverse/Over Voltage Protect
Installation	DIN-rail mounting
Standards	<p>EMC CE directive 2014/30/EU   IEC/EN 55032, IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 55035 EMC UKCA regulations SI 2016/1091     BS/IEC/EN 55032, BS/IEC/EN 61000-3-2, BS/IEC/EN 61000-3-3, BS/IEC/EN 55035 FCC CFR Title 47 Part 15 Subpart B ANSI C63.4-2014 (Federal Communications Commission USA) LVD CE directive 2014/35/EU   IEC/EN 62368-1 LVD UKCA regulations 2016   BS/IEC/EN 62368-1 RoHS Compliant Directive 2011/65/EU Annex II amending Annex (EU) 2015/863   IEC/EN 62321-3-1, IEC/EN 62321-5, IEC/EN 62321-4, IEC/EN 62321-7, IEC/EN 62321-6, IEC/EN 62321-8 REACH Compliant</p>

