ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *RDI 3000* at our website: ***Click HERE***

Modular inverter

RDI 3000VA – 48VDC



Illustrative photo

General Features

- High efficiency
- Full Digital Signal Processing control
- Input/Output Radio Frequency Interference compliant to FCC
- Complete Supervision possibility
- Parallel operation in True Redundant System
- Large DC input voltage range
- Patented technology

Application

- Telecom, industrial, control and security technologies

Description

The Telecom Series of design-improved modular inverters can be supplied from any DC source in voltage range from 40 up to 80 VDC, providing pure sine wave output.

Several inverters can be connected in parallel to achieve the requested total power, including redundancy for best availability. Thanks to the full DSP control, true redundancy is achieved, while all information is available both locally and remotely with SYS3000 controller and PSM2000 software or with system DVV RB-01.

The high frequency conversion and the topology used allow very high efficiency to be reached in a compact and user-friendly design. The environmentally friendly range complies with International, European and general Telecoms standards.

Modular inverter

RDI 3000VA – 48VDC

Technical data

Model	RDI 3000VA – 48VDC – 120 VAC	RDI 3000VA – 48VDC – 230 VAC
Input	**120 VAC**	**230 VAC**
Operating voltage range	40 ÷ 80 VDC	
Maximum input current	< 93 A	< 83 A
Output	**120 VAC**	**230 VAC**
Nominal output voltage	120 V, (108 ÷ 125 VAC)	230 V, (200 ÷ 240 VAC)
Output voltage tolerance	±3% of adjustable nominal voltage	
Output voltage frequency	50 or 60 Hz (selectable)	
Total harmonic distortion (THDi)	≤3% (on linear load at nominal power)	
Nominal value of output current	25 A	13 A
Crest factor at nominal power	3:1	
Output power	**120 VAC**	**230 VAC**
Nominal value	3000 VA	3000 VA
Overload (±15%, max. 5s, self-protected)	6000 VA	6000 VA
Permanent overload	120%	120%
Power factor for 100% power	0 Inductive to 0 capacitive Full 2 quadrants operation	
EMC	**120 VAC**	**230 VAC**
Standards applied for immunity	EN 61000- 4-2 / 4-3 / 4-4 / 4-5 / 4-6	
Standards applied for emission	ETS300-132-2, CISPR 22 class B	
Efficiency	**120 VAC**	**230 VAC**
Efficiency	89%	91%
Temperature	**120 VAC**	**230 VAC**
Storage temperature	- 40℃ ÷ + 80℃	
Permissible ambient temperature	- 20℃ ÷ + 50℃	
Safety	**120 VAC**	**230 VAC**
Safety	EN 60950 / UL 1950	
Protection	Internal electronic + relays + fuses	
Dielectric strength	4000 VDC input / output, 4000 VDC output / earth 2000 VDC input / earth	
Mechanics	**120 VAC**	**230 VAC**
Cooling	Forced	
Dimensions (wdh)	438 mm x 348 mm x 2U	
Weight (app.)	14 kg	

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP