

Single Phase
Online or Fast Transfer (under 2ms)
LED, Incandescent, Fluorescent, HID
120, 208, 240, 277, 480 Volts
Listed to UL924 & UL1778 Standards



Central Lighting Inverter

WRIDE 1 2.1 to 17KW

Key Features:

- **Fast Transfer-Standby and Double Conversion, "no-break" online systems available.**
- **Efficiency: 98% Standby - Fast Trans / 94% On-Line (Typical)**
- **Automatic monthly and annual self-testing**
- **Latest technology microprocessor controlled electronics with PWM (Pulse Width Modulated) design for true Sign Wave output**
- **Continuous self-diagnostic and self-testing system**
- **LCD backlit panel for comprehensive monitoring of power line conditions and inverter status**
- **Optional remote monitoring, including the advanced Global Monitoring System (GMS)**
- **Optional Battery Sentinel Battery Monitoring System**
- **Battery Exerciser**
- **Modular cabinet design for ease of installation, small footprint with shallow 18" depth, convenient front access, optional certified Zone 4 seismic brackets available**

Specifications are subject to change without prior notification

The WRIDE incorporates state of the art technology with PWM (Pulse Width Modulated), standby design for emergency lighting applications.

The WRIDE "Energy Conserver" is available in both Fast Transfer and Stand By models.

When utility power fails, the Inverter provides uninterrupted output power to the emergency lighting circuits, in compliance with UL924 Life Safety Code for 90 minutes of egress illumination.

The WRIDE 1 is the best design solution for emergency lighting power for a wide range of commercial and industrial applications.

- **Generator compatible**
- **Built-in Power Factor correction (Saves approx. 10% on utility bill)**
- **Sealed maintenance-free lead calcium batteries with 10 year pro-rata warranty.**
- **2 Year Warranty* (optional)**

*Second Year, months 13 to 24 only valid with factory performed preventive maintenance

WRIDE 1 Specifications

Power Rating: 2.1, 3, 5, 6, 8, 10, 12.5, 15 & 17 kW

Input Voltage: 2.1 - 5kW, 6kW; 120, 208, 240, 277, or 480 VAC (-15% to +10%)

8 - 17kW; 208, 240, 277, or 480 VAC (-15% to +10%)

Output Voltage: 120, 208, 240, 277, or 480 VAC. 120/240: 120/208; 120/277; 480 & 277

Output Frequency (Inverter Operation): 60Hz +0.5Hz.

Voltage Regulation: +3% Typical

Output Voltage Wave Form: Sine-wave.

Optional Input Protection: Input Circuit Breaker provided protection to the unit, load, and personnel and is rated at (10 KAIC) standard, higher interruption up to 65 (KAIC) optional.

Output Protection: Internal Electronic overload protection. Circuit breaker provides inherent over-load protection. Factory selectable voltage 120, 208, 240, 277, or 480 for input or output voltages. If input is different from output or output different from input, an internally mounted transformer is required.

Surge Protection: The inverter will protect itself and the load against surge as defined in ANSI/IEEE C62.45 category A and B.

Noise Isolation: -120 dB. Common-Mode., 60 dB. Transverse-Mode

Isolation: Output is completely isolated from input and with multi voltages

Efficiency: 98% standby - fast transfer / 94% online

Power Factor: Unity

Crest Factor: 3:1

Battery: Sealed, Maintenance-free, Lead-Acid, VRLA (Standard) 10 years

Battery Management System: Utilizes a microprocessor technology to monitor the batteries critical levels and apply charging cycles in a method to substantially increase battery life.

Housing: Free standing NEMA 1 Enclosure powder coated paint Front access only Multiple conduit entries. Refer to chart for dimensions.

Recharge Time: Conforms to UL924

Environmental:

Humidity: 0 - 95 RH w/ no condensation

Operating Temperature:

UPS: 0° to 40°C. (32°-104°F)

Battery: 20° to 25°C. (68°-77°F)

Storage Temperature: -20° to 70°C. (-4° - 158°F)

Safety Agencies: CSA Listed to UL 924, UL 924A, UL1778

KW	INPUT - OUTPUT VOLTAGES	MODEL NUMBERS	DC Voltages	CABINET SIZE	WEIGHT (LBS)
2.1	120/120 208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W2.1A0100N1 W2.1B1300N1 W2.1D0400N1 W2.1R2500N1 W2.1H2500N1 W2.1X5800T1 W2.1Y5899T1	96	39"W x 68"H x 18"D 48"H Optional	896 lbs
3.0	120/120 208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W3.0A0100N1 W3.0B1300N1 W3.0D0400N1 W3.0R2500N1 W3.0H2500N1 W3.0X5800T1 W3.0Y5899T1	96	39"W x 68"H x 18"D 48" Optional	1066 lbs
5.0	120/120 208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W5.0A0100N1 W5.0B1300N1 W5.0D0400N1 W5.0R2500N1 W5.0H2500N1 W5.0X5800T1 W5.0Y5899T1	120	39"W x 68"H x 18"D	1284 lbs
6.0	120/120 208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W6.0A0100N1 W6.0B1300N1 W6.0D0400N1 W6.0R2500N1 W6.0H2500N1 W6.0X5800T1 W6.0Y5899T1	144	39"W x 68"H x 18"D	1284 lbs
8.0	208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W8.0B1300N1 W8.0D0400N1 W8.0R2500N1 W8.0H2500N1 W8.0X5800T1 W8.0Y5899T1	192	39"W x 68"H x 18"D	1464 lbs
10	208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W010B1300N1 W010D0400N1 W010R2500N1 W010H2500N1 W010X5800T1 W010Y5899T1	192	51"W x 70"H x 30.5"D	2870 lbs
12.5	208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W012B1300N1 W012D0400N1 W012R2500N1 W012H2500N1 W012X5800T1 W012Y5899T1	192	51"W x 70"H x 30.5"D	3777 lbs
15.0	208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W015B1300N1 W015D0400N1 W015R2500N1 W015H2500N1 W015X5800T1 W015Y5899T1	240	51"W x 70"H x 30.5"D	4512 lbs
17.0	208/208 240/240 277/277 480/277 X / 208, 277, 120/240 Y / 277 & 480	W017B1300N1 W017D0400N1 W017R2500N1 W017H2500N1 W017X5800T1 W017Y5899T1	240	51"W x 70"H x 30.5"D	4512 lbs

* Input Voltage "X": A= 120, B= 208, D= 240, R= 277, H= 480 VAC

* Input Voltage "Y": R= 277 or H= 480 VAC

* Output Voltage "5800" = 120/240, or 280, or 277 VAC

* Output Voltage "5899" = 277 & 480 VAC

All units are 90 minutes battery back-up time at full load.

For other back-up times (up to 6 hours), consult factory.

Consult factory for 120V and other voltages.

OPTIONS

- Secondary Auxiliary Circuit Breakers (up to 16 or 24 one pole OCB's): Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- Dry Contact Normally Open
- Dry Contact "Form C" Normally Open and/or Normally Closed
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- Make Before Break Internal Maintenance Bypass Switch
- External Maintenance Bypass Switch (wrap around type)
- Main Input and/or Output Circuit Breaker (with custom KAIC)
- Input Transient Voltage Surge Suppressor (TVSS)
- Battery Thermal Runaway
- Certified Zone 4 Seismic Bracket: Adds approx. 4" of additional floor space to each side of cabinet
- Extended Warranty and Service Plans
- Long Life Battery: Check with factory for number of cabinets
- Battery Monitoring System
- Event logging Monitoring via RS232 and RS485
- Monitoring via RS232 and RS485

Optional Global Monitoring System (GMS)

- Provide SNMP MIB to monitor & log UPS status
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, TelNet, SNTP, PPP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and Email for events notifications.
- Auto email daily Battery Backup history report (configurable)
- Basic NetAgent: LAN or WIFI
- Advance NetAgent: LAN, WIFI, Dial-up Modem, or GPRS Modem

Consult factory for more features and choices of remote communication. Specifications are subject to change without prior notification.



Made in USA

(BAA & BABA Compliance)

Capable of meeting BAA & BABA requirements upon request!