

Central Lighting Inverter

Three Phase
 208Y/120 or 480Y/277 VAC
 Modular design, Front access
 Listed to UL924 and UL1778
Hybrid Fast Transfer Green Mode
- 98% Efficiency (Typical)
 Online Continuous Mode
 - 94% Efficiency (Typical)



WRIDE 4-Hybrid

10-500 KVA (8 to 400 KW)

Key Features:

- **Automatic monthly and annual self-testing**
- **Multiple design configurations**
- **True Galvanic isolation design**
- **Designed to protect against a floating neutral**
- **Advanced digital signal processing**
- **Modular design for ease of troubleshooting and maintenance**
- **Redundant Multi-CPU design allows the software and hardware to work together as a team**
- **The most intelligent and safe battery test circuitry available today**
- **Individualized inverter support on each phase**
- **Intelligent, fully temperature compensated battery charger**
- **Hi-Tech fan speed control**
- **Optimum design for heat dissipation**
- **Battery power start feature**
- **2 Year Warranty* (optional)**

Wride 4 is an advanced inverter engineered for robust and reliable power supply in critical environments. This cutting-edge system offers automatic self-testing, true galvanic isolation, and redundant multi-CPU design, ensuring uninterrupted performance. With intelligent battery management and optimal heat dissipation, it's the ideal choice for critical power applications.

A selection of optional accessories to meet your particular needs are available:

- **3-Phase PC monitoring software**
- **Battery Sentinel (Battery Monitoring)**
- **3-Phase SNMP card**
- **Input Harmonic Filter – reduces T.H.D. (Total Harmonic Distortion) of the input current**
- **Customizable backup time of 120 minutes or more**
- **12 Pulse up to 60 kVA to reduce Harmonic in the input side for facility**
- **Thermal Runaway Control (IFC 1206.2)**

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

Wride 4 -Hybrid Specifications



Power Rating:

8, 16, 24, 32, 40, 48, 64, 80, 96, 128, 160, 192, 240, 320 and 400kW

Input Voltage:

208Y/120V or 480Y/277 VAC
(-15% to +15%)

Output Voltage:

208Y/120V or 480Y/277 VAC

Output Frequency (Inverter Operation):

60Hz ± 7Hz

Voltage Regulation:

±1% at 100% unbalanced load

Output Voltage Wave Form:

Sinusodial < 2% THD.

Crest Factor:

3:1 Typical

Surge Protection:

The UPS will protect itself and the load against surges as defined in ANSI/IEEE C62.41 Categories A and B.

Isolation:

True galvanic isolated

Battery:

Sealed, Maintenance-Free,

VRLA Standard 10 Year

Recharge Time: Varies per KVA and conforms to UL924

Environmental:

Humidity: 0 - 90% (non-condensing)

Operating Temperature:

UPS: 0° to 40°C. (32° - 104°F)

Battery: 20° to 25°C. (68° - 77°F)

Higher temperature batteries are available for special order.

Storage Temperature:

-20° to 70°C. (-4° - 158°F)

Electronics only.

Altitude:

Up to 5,000 ft

Cabinet Sizes:

	(Width")	(Height")	(Depth")
8-48kW:	34"	63"	31.5"
64-128kW:	55.5"	63"	31.5"
300-400kW:	Consult Factory.		
Battery Cab:	51"	70"	30.5"

Standard Features

- Independent Phase Control Circuitry:
 - Phase Imbalance Tolerant.
 - Will operate completely unbalanced.
- Field Selectable Modes:
 - Online Double Conversion
 - Green Mode / Fast Transfer
- Pulse Width Modulation Rectifier:
 - 06-pulse (24kW to 64kW).
 - 12-pulse (80kW and above).
- Main Input/Output Circuit Breakers.
- Transient Voltage Surge Suppression (TVSS).
- LCD Display for Viewing Unit Status and Events.
- Modular Design for Ease of Service.
- Multiple CPU Design:
 - Individual CPUs for Control Circuit Functions.
 - Parallel Redundancy for Critical Circuits.
- Intelligent Charger w/ Temperature Compensation.
- Redundant Power Supply.
- Integral Protection Against Operator Error.
- Power Conditioning Using PWM Methodology.
- Output Isolation Transformer for True Galvanic Isolation on the Load Side of the Inverter.
- Cold Start Function:
 - Power Up the Unit Using Its Batteries.

Options

- 8 Terminals of Dry Contacts Are Available:
 - INVON, OVL, FAULT, SS BYPASS, BACKUP, BATL, COM
- Dry Contacts Normally Open
- Integral Auxiliary Output Circuit Breakers (Consult Factory)
- Delta Input/Output
- RS-232 / RS-485 Connectors for External Modules:
 - Remote Status Panel UPSCAN™
 - Software for PC Monitoring UPSCOM™
 - Auto Dialing Module UPSCALL™
 - Battery Monitoring Module DCMAN™
- Event Logging (up to 500 Events) with Remote Accessibility via Local Network
- Battery Cabinet Exhaust Fan
- Battery Cabinet Exhaust Fan Dry Contact
- External Wrap Around Bypass**
- GMS 2: Remote Monitoring via LAN
- Wireless Battery Monitoring System: (Monitors Battery Health, Including Impedance)
 - String Monitoring
 - Individual Battery Monitoring
- Thermal Runaway Control (IFC 1206.2)

Consult Factory for more features and choices of remote communication.

** Not Compatible with Integral Auxiliary Output Circuit Breakers.



Made in USA
(BAA & BABA Compliance)

Capable of meeting BAA & BABA requirements upon request!