

WOLONG
Power your future



WD4000

Medium Voltage
Variable Frequency Drives

System Reliability

Proven Protection Technology

WD4000 Medium Voltage Drives for America

Wolong is a leading manufacturer of high voltage drives with 25 years of experience and a global installed base for industrial pump, fan, blower, compressor, and conveyor applications.

- Cascaded H-Bridge inverter topology features state-of-the-art protection for high system reliability. It also allows for n+1 unit redundancy.
- Multi-level PWM design suitable for legacy and modern motors without a need for extra power filters.
- This high power dense system optimizes floor space, and the modular/drawer structure is easy to maintain.
- Redundant fans with an innovative ventilation design keep power elements cool promoting longer life and high system reliability.



WD4000 Technical Features

Output Power Capacity	4160 V, 1000 - 5500 HP Output, 130 - 635 A Current
Input Voltage	4160V ±10%, optionally 3.3 - 13.8kV
Input Voltage Frequency	50/60 Hz, ±5%
Input Power Factor	≥0.95, load >10%
Efficiency	>98.5% (drive converter without transformer)
Overload Capacity	110% - 60 min, 120% - 1 min, 150% - 3 sec
System Protections	Over current / ground fault / over voltage / under voltage / phase loss / over temperature / fan failure / communication failure
Software Functions	Redundant supply / Fault diagnostic / Torque & current limiting / Spinning start (Flying start) / Low voltage ride-through (LVRT) / Master-Slave / Energy saver / Synchronous transfer to grid (Drive bypass) / Skip frequencies / Motor parameter auto-tune
Environment	Indoor, safe area
Cooling	Forced air cooling with integrated fans
Enclosure	IP31 / NEMA2 (IP42 option)
Humidity	<95%, non-condensing
Operating Temperature	+5 to +40 °C (Derate option up to +50 °C)
Altitude	<1000m (Derate option up to 3000m)



More details:
www.wolongamerica.com/drives

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