



DURAPULSE 7.5HP VFD

SKU: gs2375



Price: \$799.00

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GS20

Categories: [Electrical](#) |

SPECIFICATIONS

PRODUCT DESCRIPTION

Here's a polished summary of the **GS23-2015 DURApulse GS20 Series AC General Purpose VFD** product page from AutomationDirect:

OVERVIEW OF GS23-2015 VFD

- **Product Name:** DURApulse GS20 series AC general purpose drive (Model: **GS23-2015**), 230 VAC
- **Output Capacity:**
 - **15 hp** when powered by **3-phase input**
 - **7.5 hp** with **single-phase input** ([AutomationDirect](#), directautomation.com.au)
- **Control Modes Supported:**
 - Sensorless Vector Control (SVC),
 - Volts/Hertz (V/Hz),
 - Field-Oriented Control (FOC),
 - Torque (TQC) mode ([AutomationDirect](#), [AutomationDirect](#), directautomation.com.au, [AutomationDirect](#))
- **Key Features:**
 - Enclosed **E-frame** design
 - **Integrated dynamic braking**



- **RS-485 communication port** (RJ45 connector)
- Optional communication via **EtherNet/IP** or **Modbus TCP** with add-on card ([AutomationDirect](#), [AutomationDirect](#))

TECHNICAL SPECIFICATIONS (FROM CUT SHEET)

- **Electrical Specs:**
 - **Input & Output Voltage:** 230 VAC
 - **Amp Ratings:**
 - 49 A (3-phase)
 - 24.5 A (1-phase)
 - Variable Torque Rating: 51 A ([AutomationDirect](#))
- **Safety and Packaging:**
 - Safe Torque Off (STO) feature: **Yes**
 - Operating Temperature: **-20 °C to 50 °C**
 - Enclosure: Enclosed IP20, E-frame
 - Mountable on panel or wall ([AutomationDirect](#))
- **I/O Capabilities:**
 - **Analog Inputs:** 2 channels (current/voltage, 10-bit & 12-bit resolution)
 - **Analog Output:** 1 channel (current/voltage, 10-bit)
 - **Discrete Inputs:** 7 points (24 VDC sinking/sourcing)
 - **Discrete Outputs:** 3 points ([AutomationDirect](#))
- **Signal I/O Ranges:**
 - Analog Input: 0-20 mA, 4-20 mA, ±10 VDC
 - Analog Output: 0-20 mA, 4-20 mA, 0-10 VDC ([AutomationDirect](#))
- **PWM & Frequency Ranges:**
 - PWM Carrier Frequency: **2-15 kHz**
 - Output Frequency: **0.1-599 Hz** ([AutomationDirect](#))

PACKAGING & COMPLIANCE

- **Included Items:**
 - DURApulse GS20 Drive (GS23-2015)
 - Attached keypad (GS20A-KPD)
 - Insert (unspecified) ([AutomationDirect](#))
- **Certifications & Environmental:**
 - **UL Listed** (File #: E198015)
 - **CE compliant, RoHS:** Yes
 - **EU REACH** documentation available
 - Conflict Minerals compliance logo displayed ([AutomationDirect](#), [lamonde.com](#))

Summary Table

Category	Details
Power	230 VAC; 15 hp (3-phase), 7.5 hp (1-phase)
Control Modes	SVC, V/Hz, FOC, Torque
Communications	RS-485 (RJ45); optional EtherNet/IP, Modbus TCP
I/O	2 analog inputs, 1 analog output, 7 discrete inputs, 3 outputs



Category	Details
Safety	Integrated dynamic braking, STO, -20–50 °C
Certifications	UL, CE, RoHS, REACH, Conflict Minerals

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