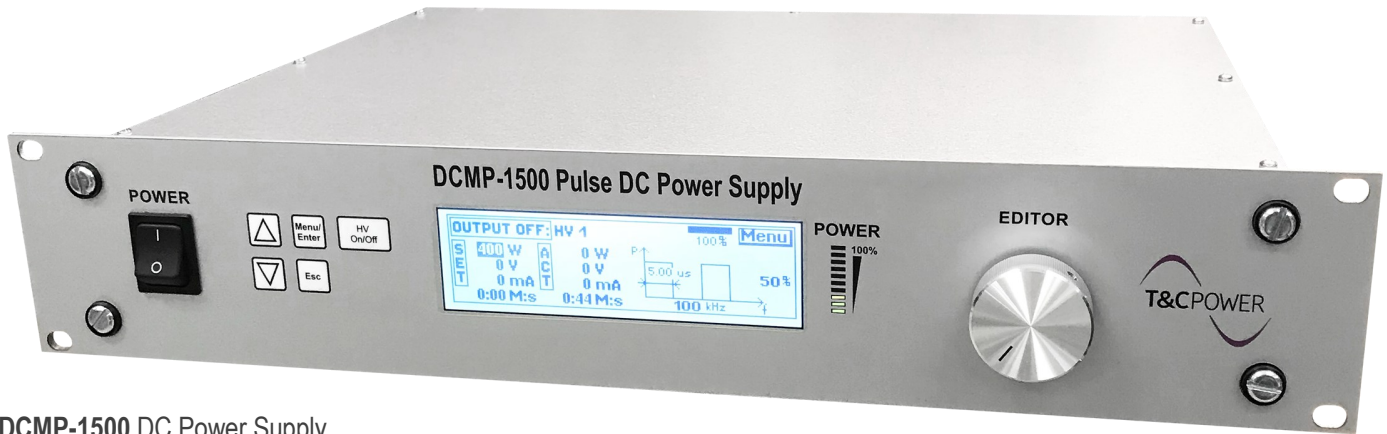


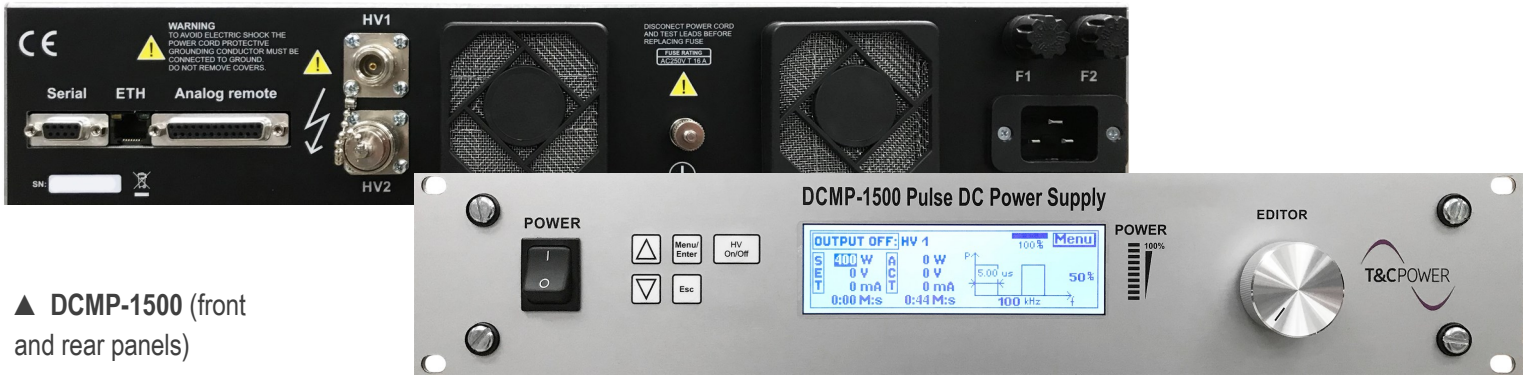


DCMP Series

DC PULSE POWER SUPPLY / DC GENERATOR



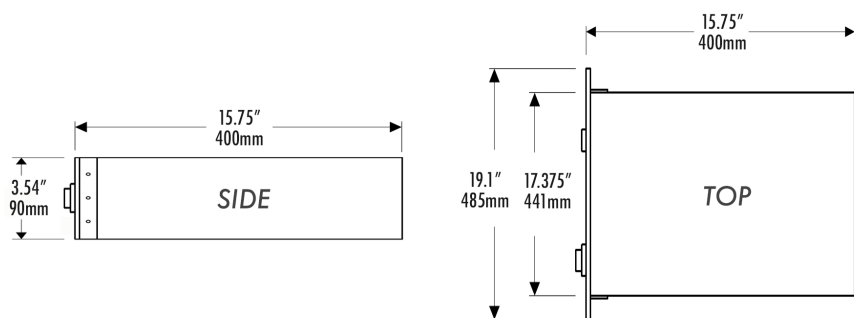
▲ DCMP-1500 DC Power Supply



▲ DCMP-1500 (front and rear panels)

Product Description

DC Power Supply ideal for magnetron sputtering or bias supplies in RF sputtering and RF etching



▲ Dimensions (2U rack mounting)

Features

- Available in 1500 W
- Voltage, Current, Power regulation modes
- DC Pulse: 10kHz - 300kHz (3 - 70% DC)
- Tight regulation with exceptional arc control
- Compact design, full rack mount
- Front Panel and Remote Analog modes of operation
- Communication Interfaces of RS-232, RS-485, and Ethernet 10/100Mb
- Low ripple and low stored energy at output
- 2U Rack Mounting, 10.8 kg

FOR MORE INFO or QUOTE:

www.tcpowerconversion.com
(585) 482 - 5551

EMAIL: sales@tcpowerconversion.com

DCMP Series Spec Sheet

Electrical

Models	DCMP-1500 (1500 W)
Regulation Modes	Power, Voltage, Current modes
Input Supply Voltage	195 to 250 Vac (43 63 Hz), 1-phase operation *
Input Current	Max 8A; Power factor = 0.87
Output Voltage Range	0 – 1000 VDC negative (ignition voltage 1200V)
Output Current Range	0 – 3000 mA (1 mA step)
Output Power Range	2 - 1500W max in DC mode
Operation Modes	DC and Unipolar Pulse DC
DC Pulse Frequency	10kHz – 300kHz
DC Pulse Duty Cycle	3% – 70%
DC Pulse Max Power	1050 W
Ripple Noise	Switching: 2% p-p (50kHz) Line: 1% p-p (100/120 Hz)
Ramp Up Time	Programmable
Arc Detection	< 2 us Response Time
Dimensions	483 x 395 x 88 mm (W x D x H) - 2U Rack Mounting Standard
Weight	10.8 kg
	* alternatively, operation is also possible from two hot wires 3 phase systems, providing the voltage between them does not exceed more than 250 VAC

I/O Control

Control modes	Local mode or Remote Mode
Analog Interface	25 D-sub male connector isolated (up to 2000 V RMS, 0...5V Analog, 0/24 VDC Digital)
Serial Communication	RS232 or RS485 with ModBUS EDF's protocol (configurable with order), Ethernet IP, with ModBUS TSP EDF's protocol

