

# GEN I REPLACEMENT DC SPUTTERING POWER SUPPLY KITS

## VPW2870A4, B5 6kW/12kW – 200/208 VAC

### INTRODUCTION

The Gen I water-cooled 6kW & 12kW power supplies have been discontinued from production since 1990. At this point in time, January 1998, we can no longer service this product.

In order to continue to support “Gen I based machines”, we have developed Gen I Replacement units derived from our present production models. They have been specifically designed to have the exact same interface as the units they replace. The kit includes all parts required to complete a successful installation. These replacement units are being offered when a Gen I power supply requires repair or the customer wants to upgrade to the new unit.



Gen I (water-cooled) - discontinued



New - 6kW VPW2870A4



New - 12kW VPW2870B5

### SPECIFICATIONS

Input power requirements: 180 –230 VAC  
50/60Hz, 4 wire  
3 phase + gnd

Efficiency: > 90%

User Interface: Remote Analog  
Control and sensing  
5V/10V selectable

Input/ Output interlocks for safe operation

Protection: Over temperature  
Over-current, over-voltage, over-power  
Input undervoltage

Cooling: Forced air:  
T ambient=35C max. at full power

	<b>6kW VPW2870A4</b>	<b>12kW VPW2870B5</b>
Ignition voltage:	1500V	1500V
Output voltage:	1000V max	900V max
Output Current:	10A max	25A max
Input Current:	23A max	46A max
Weight:	50 lbs	68 lbs
Power setting	6kW/ 2.5kW/ 250W	12kW/ 6kW/2.5kW
Replaces	VPW2870A1 (208V)	VPW2870B1 (208V)

## OPTIONS

Arc Suppression Device:	Can accommodate a 12kW Arc Suppression Device VPW2871D3.
Arc Counter: VPW2871C2	Reads output signal from Arc Suppression Device.

## PRODUCT ADVANTAGES

Delivery time:	RFQ
Wide load range:	6kW            1000V - 10A 12kW           900V - 25A
Reliability designed in:	Extensive worst case analysis design reviews Based on continuous duty cycle Uses established technology with proven reliability record of >280,000 hours MTBF.
Reliability built in and tested:	E.S.S. (Environmental Stress Screening) on 100% production <ul style="list-style-type: none"> <li>• Random frequency vibration along 3 axis (20 grms)</li> <li>• Rapid temperature change (25°C/ min)</li> </ul>
Gen I Replacement Kit includes:	Filler panel (1.75"), water bypass fitting, ring lugs for input/output cables, manual, specifically designed power supply.

## ISO 9001