

❖ PPS5kVAC12kV



- ✓ Made for Plasma Jets and DBDs
- ✓ **BOTH Square Pulses**
- ✓ **AND Sinusoidal CW IN ONE UNIT**
- ✓ Polarity Inversion in ms (pulsed)
- ✓ Integrated HV DC charger (pulsed)
- ✓ Built-in User Interface
- ✓ **"Plug & Plasma" Concept**
- ✓ Short circuit protection
- ✓ Thermal protection
- ✓ 5-year Warranty



Specifications (1),(2)

Output waveform (change from User Interface in ms)	HV pure Square Pulses (jitter < 5 ns) HV pure Sinusoidal CW (THD < 1 % ⁽³⁾)
Pulse slopes (10% to 90%): N/A	Rise/fall time 50 ns (typically; load dependent) N/A
Pulse amplitude Sinus amplitude	0 – 5 kV; resolution 5 V; invertible polarity (+/-) in-situ 0 – 12 kV peak-to-peak (at any frequency); resolution ~10 V
Output current (peak) Output current (rms)	5 A (FWHM ≤ 100 ns) 50 mA
Pulse repetition frequency Sinus frequency	1 kHz – 50 kHz; resolution 0.01 kHz 1 kHz – 20 kHz; resolution 0.01 kHz
Energy per Pulse (max) N/A	2.5 mJ N/A
Pulse duty cycle ⁽⁴⁾ N/A	0.01 – 99.99%; resolution 0.01% N/A
Output Rated Power Output Rated Power	> 125 W > 200 W
Aux. Outputs (opto-isolated BNC)	Trigger-out (TTL)
Output Interlock	Inductive proximity sensor
H.V. Output Termination	Certified coaxial safety connector (female)
Output Connection to Load	Certified HV shielded cable & Coaxial safety connector (male)
Mains (Plug) Voltage	220-240 V (50 Hz) or 110-120 V (60 Hz)

Note 1: for customized specifications, please contact us.

Note 2: specifications subject to change without notice.

Note 3: tests on resistive load.

Note 4: minimum pulse width 300 ns.

