

60 kW Medium Frequency Magnetron Sputtering Coating Plasma Power PECVD MFG4

Product Code: Mid frequency power source
Weight: 0.00kg
Dimensions: 0.00cm x 0.00cm x 0.00cm

Short Description

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The unit is dedicated to the PECVD film formation of photovoltaic cell tubes, depositing nano-silicon nitride films on the surface of silicon wafers.

* New generation Sic devices > 12x reliability 4x faster MOSFET thermal conductivity; < 1% power failure

* The power transformer is made of nanocrystalline magnetic core material: extremely high magnetic permeability; high saturation magnetic induction; low loss; wide frequency characteristics, small magnetic leakage; small size; easy winding, easy control of withstand voltage, failure risk < 1

* Arc suppression management

When I-Arc is detected, the power can be cut off and restarted within < 10ms.

Control adjustment starts within < 1 ?s when V-Arc is detected

Residual Arc energy < 1mJ/kw, prevent sticking point scorch; improve yield; sticking point scorch < 0.16%

* Sic device adopts large water cooling system + auxiliary air cooling design

Multiple temperature control monitoring and protection, compared with imported

products, the temperature is 4 to 6 degrees lower, and the power density of the same size is more than 10%.

* Configuration panel operation and Modbus communication; dual operation and monitoring, communication protocol compatible with TruMRF, easy to install quickly, connect equipment PLC, easy to operate.

Items	Parameter
Input voltage & frequency:	380 -400Vac 3P +PE 50 -60HZ
Output power:	60KW
Output current Max:	75+75A
Output voltage Max:	600V
Operating mode:	Constant power KW/constant current I
Output waveform:	Square wave
Operating frequency:	40KHZ / $\pm 0.01\%$
Pulse off time:	5-1000 ms
Pulse on time:	1-100 ms
Pulse mode:	0.1ms step
Output channel:	Dual Channels output
Load matching:	No need to switch gears, Ultra-wide load matching capability without switching gears (5-10 ?)
Size mm total	4 U 19 177 H X 482 W 644 D 48 Kg
Communication interface:	Modbus, compatible with German TrumRF power supply, seamless switching