

TENDER DOCUMENT

Specifications	12KW High Power High Voltage Capacitor Charging Power Supply
Input Voltage	3-phase, 380Vac \pm 10% /50Hz)
Peak Output Power	12 KW
Output Voltage	0 ~ 60 kV adjustable
Output Current	0 ~ 200 mA adjustable
Output Polarity	Positive HV
Charge Rate	6 KJ/sec
Working Mode	Constant Voltage (CV), Constant Current (CC)
Voltage Regulation	Load: 0.05% of full voltage +500mV for full load change Line: 0.05% of full voltage +500mV over specified input
Current Regulation	Load: 0.05% of full current \pm 100 μ A for full load change Line: 0.05% of full current +500 μ A over specified input
Ripple	0.3% p-p +1Vrms
Environmental	Operating temperature range: 0 to 80°C Humidity: 10%-90%
Cooling	Preferably Forced air, Front-In and Rear-Out wind
Metering	Digital voltage and current meters, accurate to within 1%
Local Output Control	Voltage and Current are continuously adjustable over entire range via 10-turn potentiometers with lockable counting dials
Digital Interface	Ethernet and RS232 digital interface. A VB GUI is required.
System status display	Front panel should provide status of system operations e.g. voltage and current regulation, fault conditions, charging status and circuit control etc
Input Line Connector	A 10 foot long cable
HV Output Cable length	5m (15') long detachable
Charging Control	Charging enable control and End of charge indicators
Quantity	01