

Chargemaster CM – DC High Voltage Power Supply

The Chargemaster CM supplies the high voltage for charging bars and various charging applicators, which are used to temporarily bond materials. The Chargemaster CM provides a simple and economical solution for a wide range of production processes.

The Chargemaster CM is a switch-mode, power factor corrected, power supply. The unit's output current is electronically restricted and protected against arcing. The output voltage can be set between 0 and the unit's maximum voltage (30 kV or 60 kV). The power supply incorporates functions for remote on/off, remote voltage adjustment and voltage and current display.



Features

- ◆ Front panel factory selectable for horizontal surface or wall mounting (turned 180° for wall mounting)
- ◆ Key switch for locking settings
- ◆ Membrane switches on a flat panel display
- ◆ Mounting brackets for bottom or top mounting
- ◆ Universal input voltage without adjustment for 85-264VAC 47-63 Hz
- ◆ Short circuit protected output
- ◆ Stable, electronically controlled output voltage
- ◆ Remote control options
- ◆ Analog industrial standards for remote inputs
- ◆ Large digital readout with backlight
- ◆ LCD output voltage display can be reset in the field to increase display time on short cycle runs.
- ◆ Run option for easy manual test

Remote Control Functions

- ◆ Switch high voltage on and off.
- ◆ Output voltage display.
- ◆ Output current display.
- ◆ Output voltage adjustment
- ◆ Overload indication.
- ◆ Easy to configure via DIP switches. No need to open power supply case.



Chargemaster CM
for wall mounting

Chargemaster
CM's stacked

Chargemaster CM Front Panel Display



Electrical Specifications

	CM30	CM60
Output Voltage	0-30 kVDC	0-60 kVDC
Output Current, Max.	5 mADC	2.5 mADC
Output Power, Max.	150 W	
Output Ports	4	
Input Voltage	85 - 264 Vac @ 47 - 63 Hz.	
Input Power	240 W	
Output Voltage Rise Time (remote only)	<60 msec	
Remote Output Adjust	Analog 0-5 VDC, 0-10 VDC 0 - 20 mADC, 4 - 20 mADC	
Remote Voltage & Current Display	Analog 0-5 VDC, 0-10 VDC	
Remote Input/Output Enable	External Contact Closure via D/sub connector and DIP switch	
Remote ON/OFF Enable	via D/sub connector, DIP switch and key lock	
Output Voltage Setting Lock-Out	Front panel removable key lock	
Enclosure	Steel	
Dimensions	10.5" W x 4.25" H x 13.5" D	10.5" W x 4.25" H x 15" D
Weight	16.5 lbs	
Ambient Operating Temperature	32°F to 131°F (0°C to 55°C)	
Certification	CE	