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Electrical Supply Requirements

The **CM-3CDSRG-32** system power is configured for one of two voltage ranges:

100 - 120 Vac, 50/60 Hz 220 - 240 Vac, 50/60 Hz

The voltage range configured is identified by label on the rear panel of the **CM-3CDSRG-32** . The voltage range may be easily changed with a screwdriver, following the directions of the **Installation, Voltage Selection** section of this manual.

The **CM-3CDSRG-32** is rated for a EUT, AC power source of:

CM-3CDSRG-32 250/433 Vac, 32 ampere, 3-phase, 5-wire, 50/60 Hz (U.S.) DC: 30Adc up to 24Vdc, 25A 24 to 48V, 8A up to 100V CM-3CDSRG-32 is restricted to **250/433 VAC** when the sync cable is connected to an **EMC***Pro*.

The EUT, AC power source should be fused or protected for a maximum of 100 amperes.

The overcurrent protection of the **CM-3CDSRG-32** includes detection of imbalanced phase-currents. When using the **CM-3CDSRG-32** with a one-phase load, a two phase load, or a load with extreme imbalance between phase currents, the overcurrent protection will trip at a load current of 85% of the **CM-3CDSRG-32** rating.

If testing with mains synchronization is required -- the surge pulses synchronized with the AC Mains -- then a neutral reference connection must be provided at the EUT inlet connector. If neutral is not available, then a neutral reference must be created via a delta-to-wye transformer or load, and the neutral reference should be externally fused or protected for the rating of transformer and wiring.

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