

SurgeFree™

MODEL

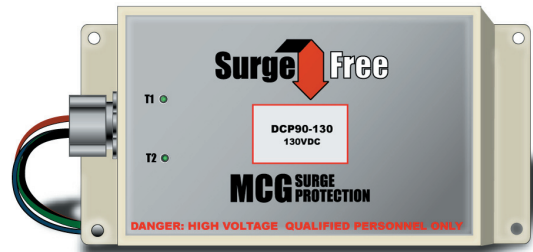
DCP-90

DC Protection

The DCP-90 is designed to protect DC powered equipment, such as inverters and charge controllers used in photovoltaic systems, from damage caused by lightning. It utilizes high energy 40kA metal oxide varistors and specialized fuses optimized to conduct transient current without opening. The unit is dual redundant and has status indicators on the front panel. Its small size makes it suitable for use in tight cabinets. Rated at 160kA, the unit protects all modes. The DCP-90 is available in various operating voltages so it can be customized to your application.

FEATURES

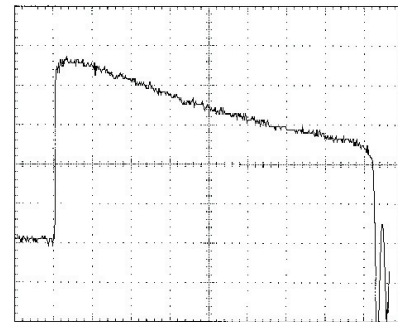
- Formidable surge handling capability: 160kA.
- Front panel LEDs for status indication.
- Fast clamp response - under 5 nanoseconds.
- Easy installation - 30 minutes or less.
- Connection cable included.
- Continues to protect even in the event of a power outage.
- All modes protected: + to -, + to Gnd, - to Gnd.
- Low profile enclosure.



$I_{peak}=160,000A$

WARRANTY

10-Year Warranty on Unit.



Shown here is a typical clamp waveform of the Model DCP-90.

Surge Current/Phase (8/20 μ s): 1 Event: 160kA.
 Surge Life/Phase (8/20 μ s): 10,000 Events: 6kA
 Status Indicators: Green LED Indicators
 Modes of Protection: + to -, + to Gnd, - to Gnd
 Operating Altitude: 13,000 ft. (4000m)
 Temp. (Operating/Storage): -40° to +70°C/-40° to +85°C
 Enclosure: NEMA 1, steel
 Dimensions: 7.25 x 4.25 x 2.75" (184 x 108 x 70mm)
 Mounting: 6.5" x 3.5"/.22" ID - 4 holes
 165mm x 89mm/5.6 ID - 4 holes
 Cable Connection: #10 AWG Cable
 Weight: 3.5 lbs., (1.6kg), 3ft. Provided

