

# SurgeFree™

## MODEL

### DCP-90

## DC Protection

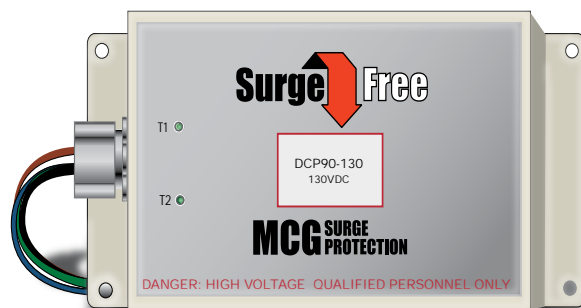
The DCP-90 is designed to protect DC powered equipment, such as inverters and charge controllers used in photovoltaic systems, from damage caused by lightning. It utilizes high energy metal oxide varistors and specialized fuses optimized to conduct transient current without opening. The unit is dual 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: up to 160kA.
- Front panel LEDs for status indication.
- Fast clamp response - under 5 nanoseconds.
- Easy installation - 30 minutes or less.
- Connection cable included.
- Protects even in the event of a power outage.
- All modes protected: + to -, + to Gnd, - to Gnd.
- Low profile enclosure.
- DC protection up to 600V applications.

## SPECS

Surge Current/Phase (8/20μs): 1 Event: Up to 160kA.  
 Surge Life/Phase (8/20μs): 10,000 Events: Up to 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, 3ft. Provided  
 Weight: 3.5lbs., (1.6kg)



**I<sub>peak</sub> = 160,000A**  
 (MOST MODELS)

## WARRANTY

**20-Year Warranty on Unit.**

*Models for Photo-Voltaic Systems	Models for Non-PV applications
DCP-90-6VDC	DCP-90-6VDC-SL
DCP-90-12VDC	DCP-90-12VDC-SL
DCP-90-24VDC	DCP-90-24VDC-SL
DCP-90-36VDC	DCP-90-36VDC-SL
DCP-90-48VDC	DCP-90-48VDC-SL
DCP-90-60VDC	DCP-90-60VDC-SL
DCP-90-75VDC	DCP-90-75VDC-SL
DCP-90-100VDC	DCP-90-100VDC-SL
DCP-90-130VDC	DCP-90-130VDC-SL
DCP-90-150VDC	DCP-90-150VDC-SL
DCP-90-200VDC	DCP-90-200VDC-SL
DCP-90-250VDC	DCP-90-250VDC-SL
DCP-90-300VDC	DCP-90-300VDC-SL
DCP-90-350VDC	DCP-90-350VDC-SL
DCP-90-400VDC	DCP-90-400VDC-SL
DCP-90-450VDC	DCP-90-450VDC-SL
DCP-90-500VDC	DCP-90-500VDC-SL
DCP-90-550VDC	DCP-90-550VDC-SL
DCP-90-600VDC	DCP-90-600VDC-SL

*\*Voltage in model name refers to photovoltaic array voltage at maximum power.*

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