COOPER Bussmann

Surge Protection Made Simple™

Photovoltaic Applications

The Only, True UL 1449 3rd Edition Recognized SPD to Protect Your PV Investment from Damaging Surges and Overvoltages

- Modular DIN-rail design with color-coding & rejection feature makes it easy to identify, install & maintain.
- Built-in overcurrent protection eliminates the need for any additional fuse installation and wiring.
- *easy*ID™ Visual indication and optional remote contact signaling make status monitoring simple.
- Patented, fast-acting Short-Circuit Interrupting (SCI) technology responds efficiently to overvoltage conditions.

See data sheet #2055 • www.cooperbussmann.com/surge

The Need for Surge Protection

The unique nature of PV installations make them vulnerable to overvolatges and surges from lightning strikes and static discharges.

These surges need to be intercepted before they take down the entire system by damaging the PV arrays, charge controller/inverter and combiner boxes.

In any PV system, it is vital that surge suppressor elements that are subject to wear, are easily monitored for performance.

The Cooper Bussmann PV Surge Suppression systems provide standard *easy*ID™ visual indication and remote contact signaling to keep system maintainers apprised of the protection level being delivered.

Safe and Simple

- IP20 Finger-safe construction and suppressor rejection feature make it easy to know the suppressor system is installed and properly operating to protect your PV system investment.
- Simply specify the system voltage and whether the remote contact signaling is desired.
- Five year limited warranty.*

Complete Line of Surge Protection Solutions

Cooper Bussmann offers surge protection products for UL, IEC, wind power and telecom applications.

PV Wind Telecom UL IEC

Base & Module Number System

BSP H 3 600 YPV R

Product Series

Technology
- H = Hybrid

Number of Poles

System DC Voltage
- 600 = up to 600Vdc
- 1000 = up to 1000Vdc
- 1200 = up to 1200Vdc

System Type
- YPV = PV System in "Y" configuration

Optional Remote Contact Signaling
- R = Includes remote switch option
- Blank = No remote switch option

Replacement Module Number System

BP H 300 YPV

Product Series

Technology
- M = MOV
- H = Hybrid

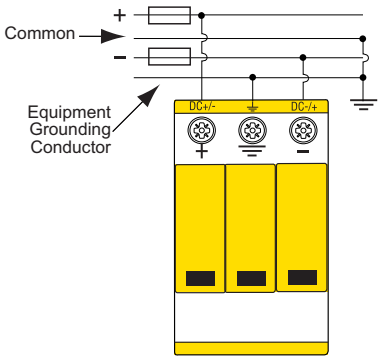
MCOV
- 300 = 300Vdc (for 600V systems)
- 500 = 500Vdc (for 1000V systems)
- 600 = 600Vdc (for 1200V systems)

System Type
- YPV = PV System in "Y" configuration

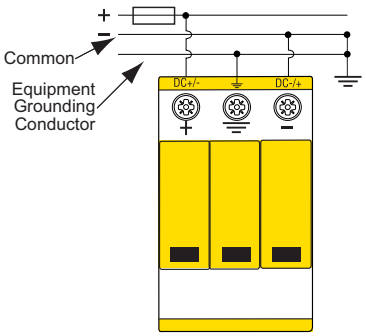
Type 4 RoHS 2002/95/EC CE *easy*ID™

Ordering Information				
Maximum continuous operating voltage for PV applications [U_{CPV}]		600Vdc	1000Vdc	1200Vdc
Catalog Numbers: (Base + Modules)	Without Remote Signaling	BSPH3600YPV	BSPH31000YPV	BSPH31200YPV
	With Remote Signaling	BSPH3600YPVR	BSPH31000YPVR	BSPH31200YPVR
Replacement Modules:	Outer (2)	BPH300YPV	BPH500YPV	BPH600YPV
	Center (1)	BPM300YPV	BPM500YPV	BPM600YPV

Typical Application Schematics



Application A
600, 1000 & 1200Vdc systems



Application B
600Vdc systems only

* See Cooper Bussmann SPD Limited Warranty Statement (3A1502) for details at www.cooperbussmann.com/surge.

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