

WatchfulEye

Watchful Eye Solutions, Inc.

WTH-40/C/...PV Series Lightning & Surge Protection





1P



2P



3P

Product Features:

- 3-mm-wide gaps between two modules, increasing creepage distance, enhancing connection security (WTH-40/C/3P-PV1200)
- DIN-rail mounting for convenient installation
- Plug-in module design for easy replacement
- I_{max} 40KA, U_c up to 1200V
- Thermal disconnection
- Remote contacts
- Fault indicator
- High energy MOV-type, quick response
- Suitable for off-grid PV systems or grid-connected systems
- Compliance with standards: IEC61643, UL 1449 3rd Edition, CE, RoHS

Model: WTH-40/C/3P-PV1000
Ordering Code: US120330

Max. continuous operating voltage
 ---U_c(IEC61643-1): 1000VDC
 ---MCOV(UL1449): 1000VDC
 Nominal discharge current (8/20) I_n:20kA
 Max. discharge current (8/20) I_{max}:40kA
 Voltage protection level U_p (at I_n):<3.4kV
 Residual voltage @6kV/3kA (U_{res}):<2.8kV

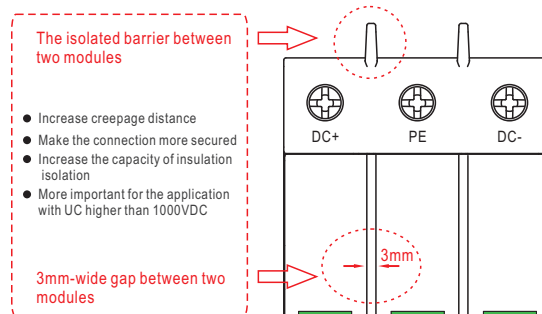
Technical Data

Model:	U _c (MCOV)	U _p	Ordering Code
WTH-40/C/1P-PV100	100VDC	1.3kV	US120339
WTH-40/C/1P-PV200	200VDC	1.5kV	US120338
WTH-40/C/1P-PV500	500VDC	2.2kV	US120386
WTH-40/C/1P-PV600	600VDC	2.5kV	US120336
WTH-40/C/2P-PV100	100VDC	1.3kV	US120333
WTH-40/C/2P-PV200	200VDC	1.5kV	US120337
WTH-40/C/2P-PV500	500VDC	2.2kV	US120385
WTH-40/C/2P-PV600	600VDC	2.5kV	US120332
WTH-40/C/2P-PV800	800VDC	2.8kV	US120392
WTH-40/C/2P-PV1000	1000VDC	3.4kV	US120391
WTH-40/C/3P-PV600	600VDC	2.4kV	US120334
WTH-40/C/3P-PV800	800VDC	3.2kV	US120335
WTH-40/C/3P-PV1000	1000VDC	3.4kV	US120330
WTH-40/C/3P-PV1200	1200VDC	3.6kV	US120331

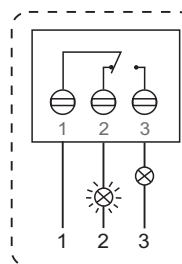
How to name our products



Two details strengthening the protection



Remote Contacts



- 1: COM(Common)
- 2: NC(Normally Close)
- 3: NO(Normally Open)

Lightning and Surge Protection for Residential PV System

• Solutions for Photovoltaic System

A Solar Modules

C Surge Arresters

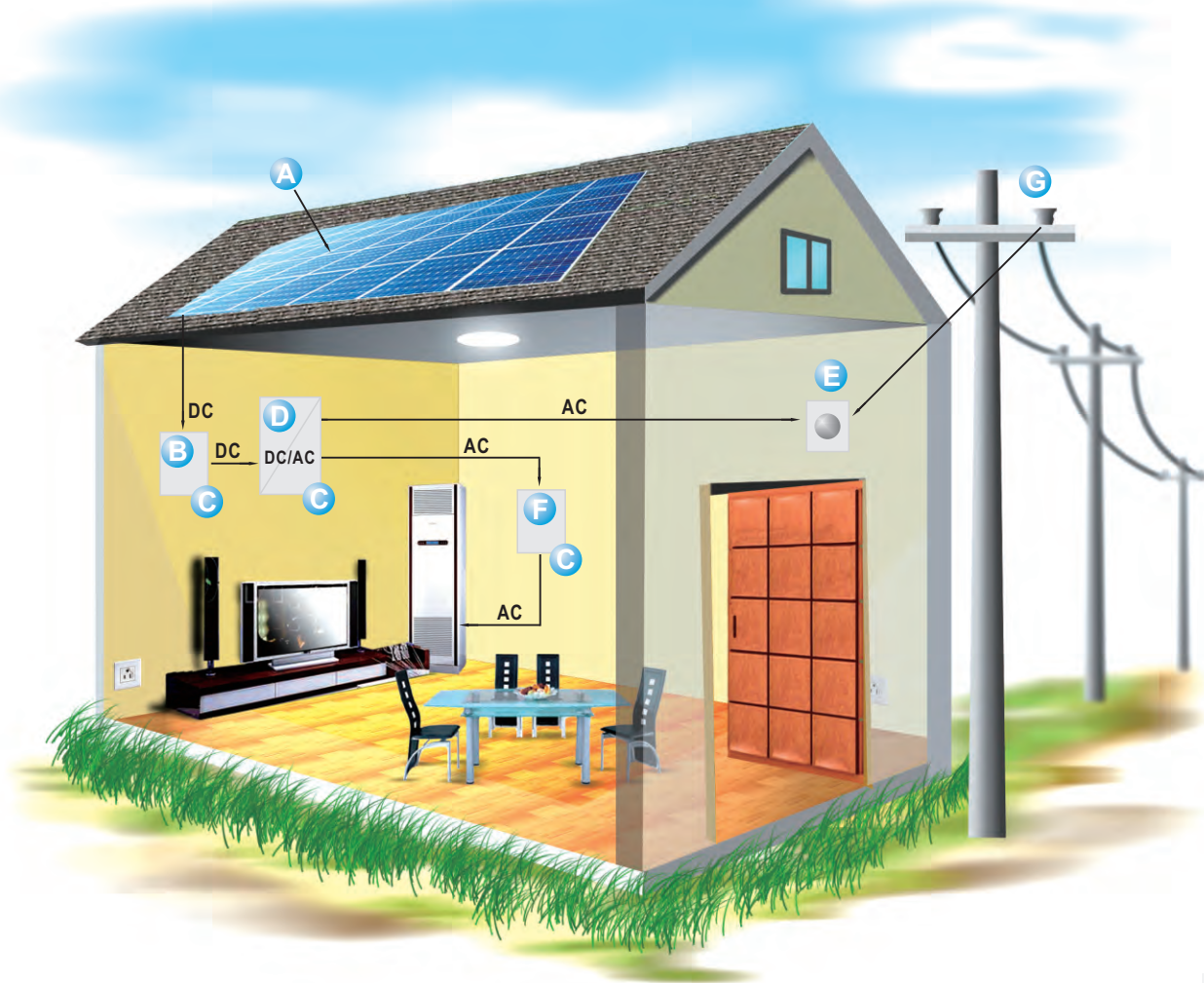
E Utility Meter

G Utility Service

B PV Combiner Box

D Inverter

F Electrical Panel



Watchful Eye offers complete and reliable technical solutions for photovoltaic systems, protecting the electrical facilities throughout buildings against lightning and surge, providing a guarantee for the security of PV systems and avoid unnecessary losses.

Watchfuleye is specialized in a complete range of lightning and surge protective devices, with wide applications in low voltage DC & AC power supply system, data and control system, intelligent monitoring system and new energy industry like solar and wind power system, etc. Our company also offers reliable custom technical solutions in lightning & surge protection for global customers.

Headquartered in New York, watchful Eye has a network of sales to serve our customers world wide. with high quality products and optimal service, Watchful Eye can meet your strict technical standards and unique requirements.

Watchful Eye

The Guardian that Protects Your System against Surge and Lightning

Watchful Eye Solutions, Inc.



www.watchfuleyesolutions.com