

Offers cost-effective protection for power line and video/Telco/Ethernet line protection in one single protector

- ◆ Telco/Ethernet/coaxial line and power line protection in one single protector
- ◆ Multi-stage protection offers exceptional safe
- ◆ EMI/RFI noise filtering
- ◆ Different voltage range and power outlets to choose
- ◆ Intelligent Ground fault detection
- ◆ Engineered for easy installation
- ◆ Five years warranty



## Telco/Ethernet/coaxial line and power line protection in one single protector

- The PCP series of protectors offer a flexible surge protection for Ethernet/Video/Telco(tel/fax)line together with power line protection. It is the most cost effective and easy to use solution for office and home protection requirements.

**Multi-stage protection offers exceptional safety** - PCP series employed sophisticated hybrid circuitry by using a combination of high energy gas, MOV discharge tube, ultra fast diodes and SAD which ensures excellent protections without impeding normal operation.

**EMI/RFI noise filtering** - PCP protectors not only offers surge protection but with high performance EMI/RFI noise filtering circuitry, it provides a clean power to the most sensitive electronic equipment.

**Different voltage range and power outlets to choose-** PCP series of protectors has different voltage models

and power outlet types to fulfill different countries requirements.

## Intelligent Ground fault detection -

PCP not only has protection status indication LED and Power LED, the intelligent ground fault detection LED tells user if the grounding quality is at good working condition.

## Engineered for easy installation -

With the provided L shape bracket, PCP can be easily secured onto flat surface like wall, table. In addition, the 6 outlets model can be mounted in standard 19 inch rack.

**Five years warranty** - All LEPS protectors are tested to comply with many international safety standards and with five years warranty.

## Installation

For detail installation requirements, pls refer to relevant user manual.

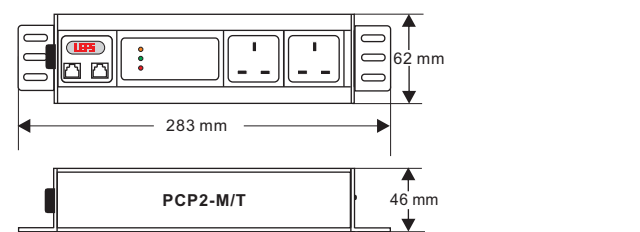
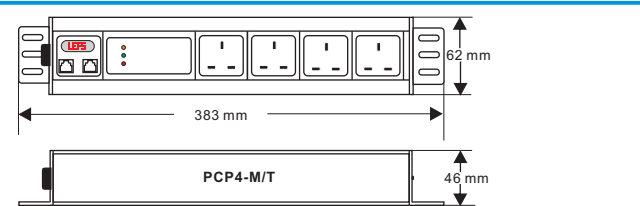
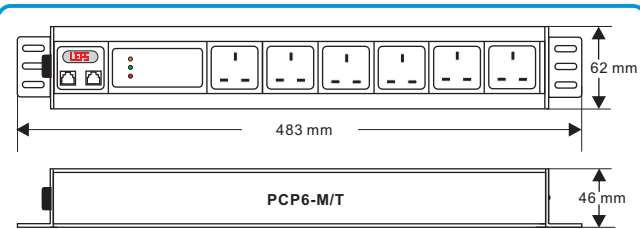


Mounting in the rack



Mounting beneath the table

## Dimensions



## Voltage range

MODEL	MAX. WORKING VOLTAGE, (Uc)		VOLTAGE PROTECTION LEVEL, (Up)	
	Signal line	Power line	Signal line	Power line
PCPx-L	---	150V	---	350V
PCPx-M	---	275V	---	600V
PCPx-H	---	350V	---	800V
PCPx-L/E	5V	150V	23V	350V
PCPx-M/E	5V	275V	23V	600V
PCPx-H/E	5V	350V	23V	800V
PCPx-L/T	180V	150V	300V	350V
PCPx-M/T	180V	275V	300V	600V
PCPx-H/T	180V	350V	300V	800V
PCPx-L/V	5V	150V	13V	350V
PCPx-M/V	5V	275V	13V	600V
PCPx-H/V	5V	350V	13V	800V

## General Specifications

### Power Line:

Max. discharge current, I<sub>max</sub>: 20KA(8/20μs)

Max. Load current: 13A

Earth leakage current: <0.2mA

EMI/RFI filtering: 55dB (99.7%)

Status Indicator: LED—GND(amber), Power(green), Fault(red)

Outlet type: British type, 13A( 2,4 or 6 Outlets)

### Ethernet port (models with suffix "/E")

Max. discharge current, I<sub>max</sub>: 100A(8/20μs)

Max. data rate: 1000Mb/s

Max. Operating current I<sub>L</sub>: 300mA

Lines protected: All pairs(1/2, 3/6, 4/5, 7/8)

Connector type: RJ45 (Jack-Jack)

### Tel/Fax line: (models with suffix "/T")

Max. discharge current, I<sub>max</sub>: 20KA(8/20μs)

Max. data rate: 6Mb/s

Max. Operating current I<sub>L</sub>: 150mA

Lines protected: PIN 3/4, 2/5

In line resistance: 8.2 Ω

Connector type: RJ11 (Jack-Jack)

### Video Line: (models with suffix "/V")

Max. discharge current, I<sub>max</sub>: 20KA(8/20μs)

Insertion loss: <1dB at 20MHz

3dB frequency: 80MHz

Cable impedance: 75Ω

Connector type: F female to male (other types available)

### Common specifications:

SPD class(EN/IEC): TYPE 2+3/Class II+III

Response time, t<sub>a</sub>: <5ns

Protection modes: common and transverse

Protection stages: 3 stages

Standards compliance: BS EN/IEC 61643-11---power line  
BS EN/IEC61643-21---Ethernet/PSTN/Video  
AS1768-2007 Cat.A.B.C  
CP33-1996 Cat.A.B.C  
IEEE C62.41 Cat.A.B.C  
UL497B

Case material: Anodized aluminum

Operating temperature, T<sub>u</sub>: -40-85°C

Mounting: wall mount and Rack mount (L shape bracket)

Humidity: 0-95%(R.H.)


Altitude: 0-3650m

Weight:  
PCP2-x ~310g  
PCP4-x ~450g  
PCP6-x ~930g

# ORDERING INFORMATION



MODEL	PRODUCT DESCRIPTION	PHOTO/DRAWING
PCP2-L	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 100/110/120/V	
PCP2-M	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 200/220/230/240/V	
PCP2-H	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 277/320/V	
PCP2-L/E	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 100/110/120/V, Ethernet port (RJ45) protection	
PCP2-M/E	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 200/220/230/240/V, Ethernet port (RJ45) protection	
PCP2-H/E	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 277/320/V, Ethernet port (RJ45) protection	
PCP2-L/T	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 100/110/120/V, Tel/Fax line (RJ11) protection	
PCP2-M/T	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 200/220/230/240/V, Tel/Fax line (RJ11) protection	
PCP2-H/T	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 277/320/V, Tel/Fax line (RJ11) protection	
PCP2-L/V	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 100/110/120/V, video coaxial line protection (F type female to female, 75Ω)	
PCP2-M/V	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 200/220/230/240/V, video coaxial line protection (F type female to female, 75Ω)	
PCP2-H/V	Plug-in combination protector, with EMI/RFI noise filtering , two British type outlets, 277/320/V, video coaxial line protection (F type female to female, 75Ω)	
PCP4-L	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 100/110/120/V	
PCP4-M	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 200/220/230/240/V	
PCP4-H	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 277/320/V	
PCP4-L/E	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 100/110/120/V, Ethernet port (RJ45) protection	
PCP4-M/E	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 200/220/230/240/V, Ethernet port (RJ45) protection	
PCP4-H/E	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 277/320/V, Ethernet port (RJ45) protection	
PCP4-L/T	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 100/110/120/V, Tel/Fax line (RJ11) protection	
PCP4-M/T	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 200/220/230/240/V, Tel/Fax line (RJ11) protection	
PCP4-H/T	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 277/320/V, Tel/Fax line (RJ11) protection	
PCP4-L/V	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 100/110/120/V, video coaxial line protection (F type female to female, 75Ω)	
PCP4-M/V	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 200/220/230/240/V, video coaxial line protection (F type female to female, 75Ω)	
PCP4-H/V	Plug-in combination protector, with EMI/RFI noise filtering , four British type outlets, 277/320/V, video coaxial line protection (F type female to female, 75Ω)	
PCP6-L	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 100/110/120/V	
PCP6-M	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 200/220/230/240/V	
PCP6-H	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 277/320/V	
PCP6-L/E	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 100/110/120/V, Ethernet port (RJ45) protection	
PCP6-M/E	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 200/220/230/240/V, Ethernet port (RJ45) protection	
PCP6-H/E	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 277/320/V, Ethernet port (RJ45) protection	
PCP6-L/T	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 100/110/120/V, Tel/Fax line (RJ11) protection	
PCP6-M/T	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 200/220/230/240/V, Tel/Fax line (RJ11) protection	
PCP6-H/T	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 277/320/V, Tel/Fax line (RJ11) protection	

MODEL	PRODUCT DESCRIPTION	PHOTO/DRAWING
PCP6-L/V	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 100/110/120V, video coaxial line protection (F type female to female, 75Ω)	
PCP6-M/V	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 200/220/230/240V, video coaxial line protection (F type female to female, 75Ω)	
PCP6-H/V	Plug-in combination protector, with EMI/RFI noise filtering , six British type outlets, 277/320V, video coaxial line protection (F type female to female, 75Ω)	
<i>* Other voltage levels are available on request</i>		
<i>Other types of power outlets are available on request, e.g. , IEC, Australian, Schuko</i>		

