



## AC System Surge Protector SPD 20ka-40ka 2p 3p 4p for Solar House 275V 385V 420V T1 T2

### Basic Information

- Place of Origin: China
- Brand Name: Golden Electric /OEM
- Certification: ISO 9001, ISO 9000, ISO 14001, ISO 14000, ISO 20000, OHSAS/ OHSMS 18001, IATF16949
- Minimum Order Quantity: 1
- Packaging Details: Carton/Pallet
- Delivery Time: Peak Season Lead Time: more than 12 months  
Off Season Lead Time: within 15 workdays
- Payment Terms: LC, T/T, PayPal, Western Union
- Supply Ability: 5000/Month



### Product Specification

- Model NO.: E-15 SERIES
- Shape: Module
- Material: Nylon
- Brand: Golden Or OEM
- Voltage: DC 500V, 550V, 800V, DC1000V(3p) 1200V, 1500V
- Us(Ka): 20ka
- Imax(Ka): 40ka
- Series: AC SPD, Surge Protector, Surge Protective Device
- Color: Orange
- Altitude: 2000
- Where To Use: Solar PV System
- Terminal Screwa: M5
- Indication: Green(Good) Red(Replace)
- Class Test: "



### More Images



## Product Description

## Product Description

## Surge protective device 20KA-40kA Power AC/DC surge protection



## HIGH QUALITY

Module design, convenient installation, with easy electric maintains operation

Built-in over current and over heat, temperature control open circuit technology

## EXCELLENT DESIGN

Adopt independent intelligence property right and high performance sensitivity resistance plates  
Small creepage current, fast response time, remnant low voltage  
With remote connection, can realize remote control.



## Product Parameters

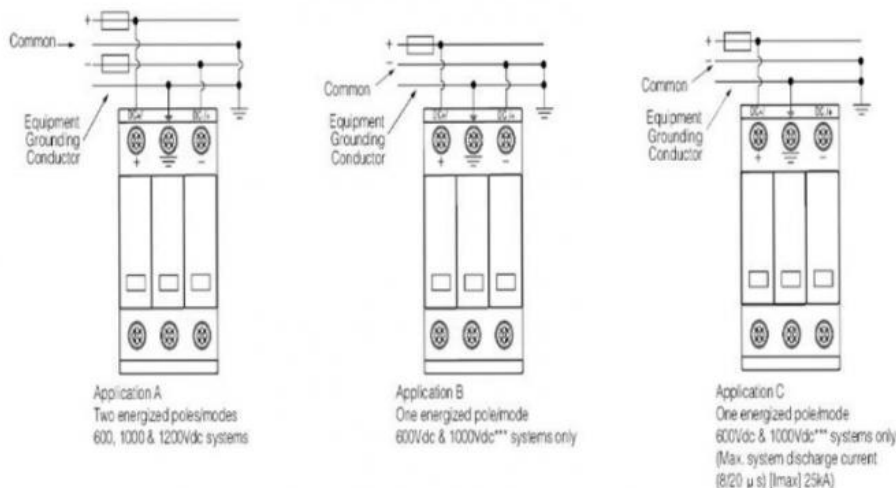
## Solar AC SPD

Intensity of Remote Signalling Alarm Contact  
Failure indication and centralized remote signalling alarm dry contacts;  
High discharge capacity and low residual voltage;  
Over-temperature protection;  
IP20, UL94 V0

Item	AC SPD					
Code	GD-M					
Rated Operating Voltage Un(V~)	380V/220V					
Maximum Continuous Operating Voltage Uc(V~)	275V	320V	385V	385V	385V	420V
Voltage protection Level Up(V~)kV	≤1.0	≤1.2	≤1.8	≤2.0	≤2.2	≤2.8
Nominal Discharge Current In (8/20s)kA	5	10	20	30	40	60
Maximum Discharge Current Imax(8/20s)kA	10	20	40	60	80	100
Response Time (ns)	<25					
Test Standard	IEC61643.1, GB18802.1					
Operating Environment(centigrade)	-40°C ~+85°C					
Max Connection Line	35mm <sup>2</sup> hard wire/35mm <sup>2</sup> strand wire copper line					

Recommended Connection Line	16mm <sup>2</sup> hard wire/25mm <sup>2</sup> strand wire copper line
Installation	Standard Rail 35mm

### Surge Protective Device Arrester Dimensions:



### Solar DC SPD

The GD-M series Surge Protection are designed to protect against lightning surge voltages in photovoltaic power supply networks.

These units must be installed in parallel on the DC networks to be protected and provide common and differential modes protection. The GD-M series is available for the main operating voltages in photovoltaic: 1000 Vdc.

The use of GD-M series Surge Protection is recommended at both ends of the DC power supply line (solar panel side and inverter/converter side),

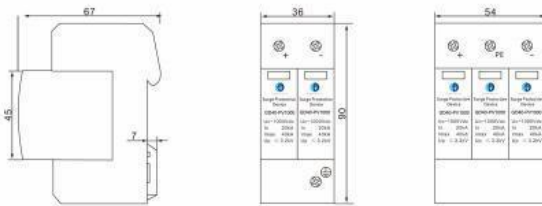
Especially if the line routing is external and long. The electrical diagram of the GD-M series is based on high energy PV equipped with specific thermal disconnectors and related failure indicators.

The SUP series is made with plug-in modules to allow a fast and easy maintenance in case of failure (disconnection from the DC network).

SUP2-PV series surge protector		GD-M	
PV DC specific (LEC 6614-1/EN 61643-11)			
Pole		2 pole	3 pole
Electrical Parameter			
Classifical test		II	II
Uoc max (V DC)		500	900
Uc (V DC)		500	1000
In(8/20)us (KA)		20	20
Imax(8/20)us (KA)		40	40
Up (KV)		2	3.8
Remote control and indication			
Indication window			
Plug-in module			
Remote signal contact			
Remote signal contact	Max working volt	250V AC/30V DC	250V AC/30V DC
	Max working amp 1A (250V/AC)	1A (250V/AC)	1A (250V/AC)
	1A (30V DC)	1A (30V DC)	1A (30V DC)
Wiring & installation			
Wiring capacity(mm2)	Hard wire	4-25	4-25
	Flexible wire	4-16	4-16
Stripping length		10	10
Terminal screwa		M5	M5
Torque(Nm)	Main circuit	3.5	3.5
	Remote signal contact	0.25	0.25
Protection class	All profile	IP40	IP40
	Connection port	IP20	IP20
Installation environment		No obvious shock and vibration	
Altitude(m)		≤ 2000	≤ 2000
Working temperature		67	67
Relative humidity		30%-90%	30%-90%
How to install		Install with H35-7.5/DIN35 stell mounting rail	
Size(mm) (W*H*L)	W	36	54
	H	90	90
	L	67.6	67.6
Weight (KG)		0.25	0.38

Nominal PV system volt	600V	100V	1200V
MCOV(UCPV)	700V DC	1170V DC	1200V DC
Max system discharge Current (8/20us) (Imax)	40KA	40KA	30KA
Volt protection leve (UP)	≤ 2.5KV	≤ 4.0KV	≤ 4.5KV
Volt protection Level at 5KA (UP)	≤ 2.0KV	≤ 3.5KV	≤ 4.0KV
Integrate fuse breaking capacity/interrupting rating	30KA/1000V DC	30KA/1000V DC	30KA/1200V DC
Technology	Short-circuit interruption (SCI) overcurrent protection		
Operating temperature range	-40 to +80		
Nominal discharge current	12.5KA		
Response time (ta)	<25ns		
Operating state/fault indication	Green (good) / Red (replace)		
Mounting	35mm DIN Rail per EN 60715		
Degree protection	IP20		
capacity	3 modules DIN 43880		

### Surge Protective Device Arrester Dimensions:



### Packaging & Shipping

### Surge Protective Device Arrester Packing List:

Name	Specification	Packing quantity	GW/ctn	Carton size
GDPS-4 DC	2P/20~40KA/DC500V	60	18.5	42*32*16.5cm
GDPS-4 DC	2P/20~40KA/DC800V	60	18.5	42*32*16.5cm
GDPS-4 DC	2P/20~40KA/DC1000V	60	19	42*32*16.5cm
GDPS-4 DC	3P/20~40KA/DC100V	40	18.3	42*32*16.5cm
GDPS-4 DC	2P/20~40KA/DC1200V	40	19.3	42*32*16.5cm

### Packaging Details:

**Customized Packing:** Header card packing, Blister with card packing, Double blister packing, Canister packing, other packing can be supplied according customers request.

### Shipping:

1. By Air or by Sea for batch goods,Airport/ Port receiving;
2. Customers specifying freight forwarders or negotiable shipping methods!

### Delivery Detail:

**Shipped in 7 days after payment**



## Company Profile

- Golden Electric Co.,Ltd ,was foundad in 2017, we are professional for make AC and DC electric items such as cable gland, isolator switch , fuse , breaker , distribution box , PV combiner box ,surge protector, Industrial plug and socket,Solar product and so on.

- Golden has been granted ISO9001 management system certifications. The comprehensive product line has more than 1000 models which have been approved by TUV,CE,CQC,SGS,ROHS,SASO. The productsells well to UK, Spain, Portugal, Singapore, Turkey, Russia, Korea, South Africa... more than 60 countries and regions.

- Golden is always striving hard to provide the best services and competitive price to all customers.

## Manufacture of solar



## Our Advantages

1. Best ensure 100% customer satisfaction.
2. Our products have one year guarantee.
3. Sample in design and easy to operate and maintain.
4. All electrical parts of products are made up for qualified materials.
5. No MOQ limited for the trial order.
6. We adopt good credit quality electrical appliances.
7. Best customer care and efficient after-sale services.
8. Don't hesitate to inquire us, we will reply you within 12 hours.



## FAQ

**Q1: If I'm interested in your Solar SPD when I can receive your quotation and detail information after send the enquiry?**

A: All your enquiry will be replied in 8 hours.

**Q2: Your Solar SPD seems perfect but what's the difference between you and other suppliers? Because I find some cheaper price from others!**

A: Our DC SPD is special for Solar system all the parts in the SPD are high quality customized. Not all the DC SPD are Solar SPD!

**Q3: Can I get a sample before the order because I really don't know how is your DC SPD quality?**

A: Of course! We also think sample order is the best way to build the trust.

**Q4: How's the delivery? Because I really need them urgently?**

A: For sample order 3~7 days will be no problem. And for regular order we promise in 15 days.

**Q5: How's the warranty period for your DC SPD?**

A: We offer one year warranty for our customer.

## How to contact us

**Send your Inquiry Details in the Below, please Click "send" Now!  
Good price and sample are waiting for you.**



**Guangzhou Golden Electric Co., Ltd.**



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