

POGPONG

DC Line Surge Protector

All mode protection

Thermal sensing MOV

LED protective display

Transient recovery protection

Metal enclosure



More than surge protector

No risk from surge signal

POGPONG

All Mode Protection DC line surge protector models feature all mode protection providing protection for all combinations of lines (Positive-Negative, Positive-G, Negative-G) ensuring the maximum level of protection is achieved at all times

Thermal sensing inside MOV Sustained overvoltages can cause components to overheat and degrade. Thermal sensing warns of this condition without disconnecting the protection. In the event of a prolonged overvoltage they will not catch fire or explode.

Multi-surge current protection surge is indirect impact from lightning. Natural lightning strike as multi-stroke and decoupling to multi-surge current, SDD can suppress the multi-surge current.

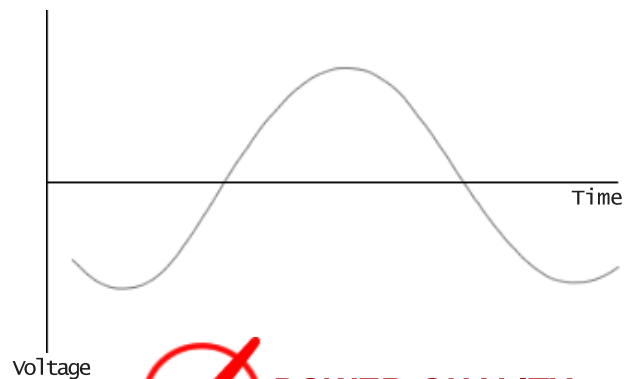
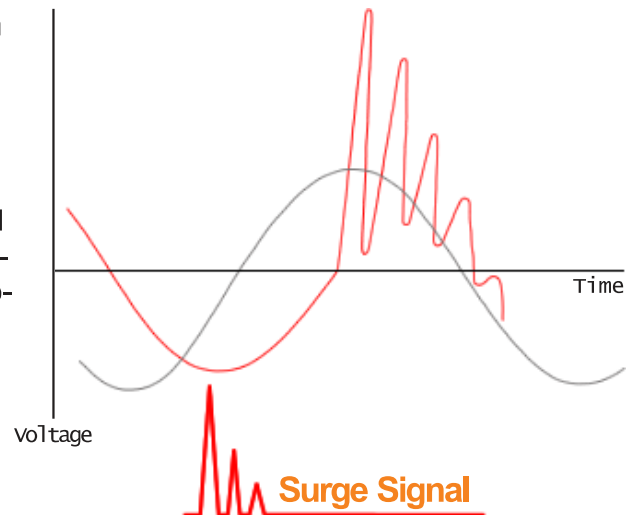
LED Protective Display LED indicators are provided on models to indicate operating status : Power Display and Protective Display

Transient Recovery Voltage After short circuit, the breaker or fuse will disconnect circuit. The energy devices (L, C) in the system will discharge over voltage to the power line, 2-3 times of normal voltage (see technical Handbook)

Metal Enclosure **POGPONG** surge protection products are housed in safe, all metal enclosure, In event of a prolonged overvoltage they will not catch fire or explode



POWER QUALITY



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DC Line Surge Protector

Model : SDD12-20PN

Max. surge current 20 kA for 8/20uS



Fast response time
Thermal sensing MOV
Low-Let through voltage
Metal Enclosure
Easy to installation

Since Electronic technology continues to advance at a rapid pace with the move towards mini-arisation through large scale integrated circuitry This results to lower susceptibility of the sensitive electronics components or system to electrical transient or surge caused by Lightning or Power Line fault Induction.

SDD12-20PN Series DC line surge protector SDD has been specically developed to match to the DC Line surge protection requirement of surge protection on DC line low voltage application, according to the recommendation of various standards such as ANSI/IEEE, AS/NZS, BS, UL etc.

Specification

Electrical Systems

Normal Line Voltage	12 Vdc $\pm 15\%$
Rate Load Current	Unlimited

Protection Configuration

Installation	Parallel
Protection Mode	All mode
Response time	< 5 nanosec
Isolation Resistance	1000 M Ω

Surge Performance

Max. Surge Current Rating	20kA for 8/20uS
Negative-G Surge Current Rating	20kA for 8/20uS
Energy Absorption	> 80J @2mS
Let-through voltage	< 45 Vp at Cat. C1

Monitor & Display

Protective Sensing	Thermal Fuse MOV
Protective Display	LED Status

Physicals

Enclosure	Metal
Operating Temperature	-40°C - 55 °C
Dimension	120x 50 x 60 (LxWxH) mm
Weight	0.23kg

Standards

ANSI/IEEE C62.41-1991, ANSI/IEEE C62.45-1991, UL-1449 (third editor), AS/NZS 1768-1991, BS-6651, IEC1000-4-5, IEC61643-1

Parts Approval

UL CSA



Parts Approval



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Model : SDD24-20PN

Max. surge current 20 kA for 8/20 μ S



Fast response time

Thermal sensing MOV

Low-Let through voltage

Metal Enclosure

Easy to inst allation

Since Electronic technology continues to advance at a rapid pace with the move towards mini-arisation through large scale integrated circuitry This results to lower susceptibility of the sensitive electronics components or system to electrical transient or surge caused by Lightning or Power Line fault Induction.

SDD24-20PN Series DC line surge protector SDD has been specifically developed to match to the DC Line surge protection requirement of surge protection on DC line low voltage application, according to the recommendation of various standards such as ANSI/IEEE, AS/NZS, BS, UL etc.

Specification

Electrical Systems

Normal Line Voltage	24 Vdc \pm 15%
Rate Load Current	Unlimited

Protection Configuration

Installation	Parallel
Protection Mode	All mode
Response time	< 5 nanosec
Isolation Resistance	1000 MΩ

Surge Performance

Max. Surge Current Rating	20kA for 8/20μs
Negative-G Surge Current Rating	20kA for 8/20μs
Energy Absorption	> 80J @2ms
Let-through voltage	< 78 Vp at Cat. C1

Monitor & Display

Protective Sensing
Protective Display

Physicals

Enclosure	Metal
Operating Temperature	-40°C - 55 °C
Dimension	120× 50 × 60 (L×W×H) mm
Weight	0.23ka

Standards

ANSI/IEEE C62.41-1991, ANSI/IEEE C62.45-1991,
UL-1449 (third editor), AS/NZS 1768-1991, BS-6651,
IEC1000-4-5, IEC61643-1

Parts Approval

UI CSA



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Model : SDD48-20PN

Max. surge current 20 kA for 8/20μs



Fast response time

Thermal sensing MOV

Low-Let through voltage

Metal Enclosure

Easy to inst allation

Since Electronic technology continues to advance at a rapid pace with the move towards mini-arisation through large scale integrated circuitry This results to lower susceptibility of the sensitive electronics components or system to electrical transient or surge caused by Lightning or Power Line fault Induction.

SDD48-20PN Series DC line surge protector SDD has been specifically developed to match to the DC Line surge protection requirement of surge protection on DC line low voltage application, according to the recommendation of various standards such as ANSI/IEEE, AS/NZS, BS, UL etc.

Specification

Electrical Systems

Normal Line Voltage	48 Vdc \pm 15%
Rate Load Current	Unlimited

Protection Configuration

Installation	Parallel
Protection Mode	All mode
Response time	< 5 nanosec
Isolation Resistance	1000 MΩ

Surge Performance

Max. Surge Current Rating	20kA for 8/20uS
Negative-G Surge Current Rating	20kA for 8/20uS
Energy Absorption	> 80J @2mS
Let-through voltage	< 135 Vp at Cat. C1

Monitor & Display

Protective Sensing
Protective Display

Physicals

Enclosure	Metal
Operating Temperature	-40 °C - 55 °C
Dimension	120× 50 × 60 (L×W×H) mm
Weight	0.23kg

Standards

ANSI/IEEE C62.41-1991, ANSI/IEEE C62.45-1991,
UL-1449 (third editor), AS/NZS 1768-1991, BS-6651,
IEC1000-4-5. IEC61643-1

Parts Approval

UL CSA

