

Solar-Rated Products

1500 V dc Solar Fuse Products

SPXC Series Fuses

- 1500 V dc • 10 x 57 mm
- UL 248-19 Listed
- Meets IEC 60269-6 electrical performance requirements
- Up to 50,000 A interrupting rating



SPXV Series Fuses

- 1500 V dc • 1–32 A and 35–60 A
- UL 248-19 Listed and IEC 60269-6
- Applications: inverters and combiner boxes
- SPXVS silver plated series available



SPXI In-line Series Fuses

- 1500 V dc • 2.5 – 32 A and 35–60 A
- UL 248-19 Listed
- No fuse holder required
- Application: PV wire harness (eliminate combiner boxes)



LPFXV Series - Touch-Safe Holders

- Holds 1500 V dc 10 x 85 mm fuses
- Finger-safe design offers personnel protection
- No fuse pullers or tools required for fuse removal
- 35 mm DIN-rail mountable
- Designed to hold SPXV/SPXVS fuses



SPNH Series Fuses

- 1500 V dc • 50 – 400 A
- UL 248-19 Listed and IEC 60269-6
- Mounting: bolted directly onto busbar or inserted into fuse blocks
- Applications: inverters and re-combiners



1000 V dc Solar Products

SPFI In-line Series Fuses

- 1000 V dc • 2–30 A
- UL 248-19 Recognized
- No fuse holder required
- Application: PV wire harness (eliminate combiner boxes)



SPF Series Fuses

- 1000 V dc • 1–30 A
- UL 248-19 Listed and IEC 60269-6
- Ferrule or PCB mount available
- Applications: combiner boxes, inverters, and battery charge controllers



LPHV Series Fuse Holders

- Touch-safe design offers protection
- 35 mm DIN-rail mountable
- Designed to hold SPF 1000 V dc fuses



SPFJ Series Fuses

- 1000 V dc • 70–450 A
- UL 248-19 Listed, UL 248-8, Class J and IEC 60269-6
- Compact footprint reduces panel size
- Applications: re-combiner boxes and inverters



LFJ1000 Series Fuse Blocks

- 1000 V dc fuse block
- UL 4248-18 Listed
- Available in clip or stud configurations
- Designed to hold SPFJ fuses



SE-601 Series Ground-Fault Relays

- Provides sensitive ground-fault protection for ungrounded systems
- Application: central inverters



EL731 Series Earth Leakage Relays

- Provides sensitive earth-leakage protection for grounded systems
- Application: central inverters



600 V dc Solar Fuse Products

IDSR Series Indicator® Fuses KLKD Series 10 x 38 (Midget) Fuses

- 600 V ac/dc
- KLKD UL 248-19 Listed
- Applications: combiner boxes, inverters, battery chargers and high amp power distribution



Power Distribution Blocks

- 600 V ac/dc power distribution blocks with multiple configurations
- UL Recognized
- Application: combiner boxes



Solar-Rated Products

Overvoltage Protection

Surface Mount Multi-Layer Varistors (MLVs)

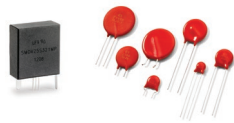
- Small electronics application



Metal Oxide Varistors (MOVs)

- Higher energy applications

For more information on all varistors visit Littelfuse.com/varistor



SPD2 PV Series Surge Protection Devices (SPDs)

- 1100 and 1500 V dc in 3+0 configuration
- Protects equipment from transient overvoltage
- Applications: combiner boxes and inverters

For more information on all surge protection devices visit Littelfuse.com/SPD



Solar Applications

D String Inverter

- 600 V to 1000 V Fuses
- Touch-Safe Fuse Holders
- Power Distribution Blocks
- Varistor Products
- Surge Protection Devices

C Micro Inverter

- TVS Diodes/SCRs
- Varistor Products

B Small Inverter

- TVS Diodes/SCRs
- Varistor Products

A Central Inverter

- 600 V to 1500 V Fuses
- Power Distribution Blocks
- DC Earth Leakage/Ground-Fault Relay
- Varistor Products
- Surge Protection Devices

E Wiring Harness

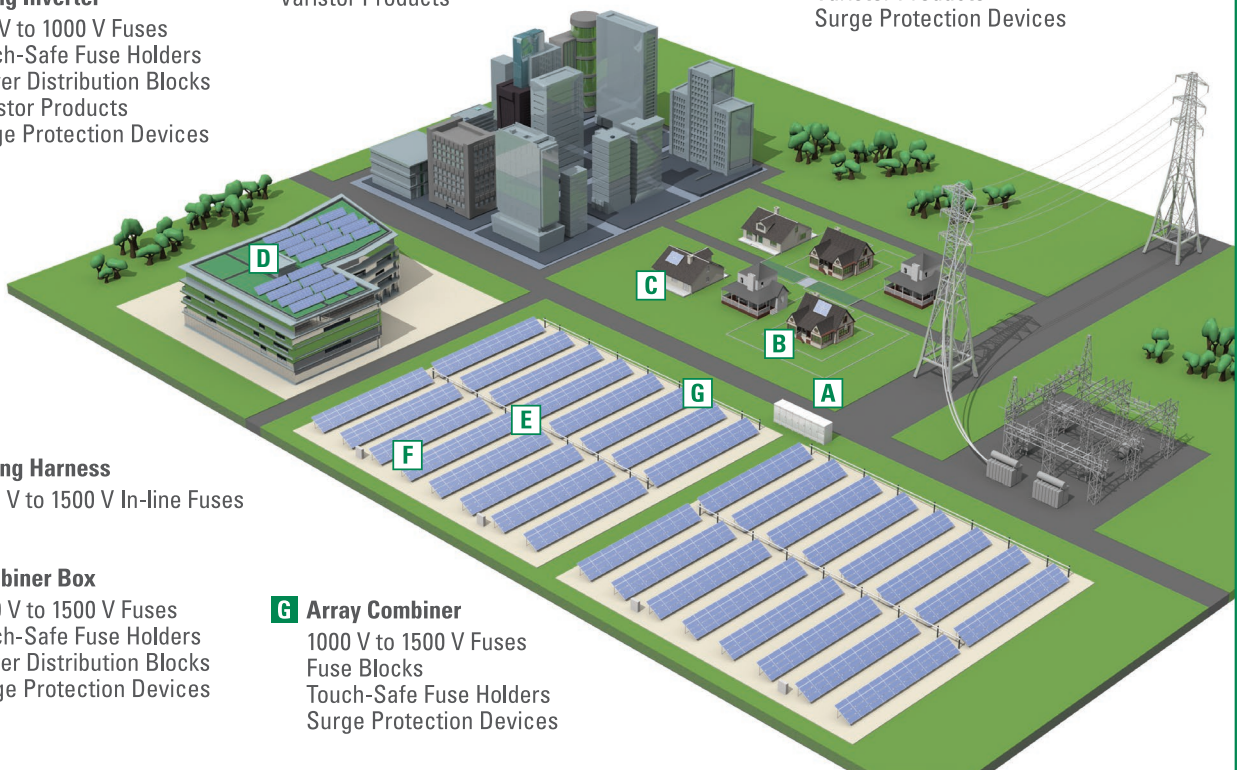
- 1000 V to 1500 V In-line Fuses

F Combiner Box

- 1000 V to 1500 V Fuses
- Touch-Safe Fuse Holders
- Power Distribution Blocks
- Surge Protection Devices

G Array Combiner

- 1000 V to 1500 V Fuses
- Fuse Blocks
- Touch-Safe Fuse Holders
- Surge Protection Devices



With over 25 million devices installed in photovoltaic power systems, Littelfuse understands the global challenges of the solar market. Littelfuse offers numerous circuit-protection products that are uniquely suited to protect the equipment and systems subject to the harsh environments of standard photovoltaic installations.

For more information on all solar products visit Littelfuse.com/Solar