

Solar (PV) Application Products

1500 V Dc Solar Fuse Products

SPXC Series Fuses

- 1500 V dc • 1–4 A
- 10 x 57 mm
- UL 248-19 Listed
- Meets IEC 60269-6*
- Up to 50,000 A interrupting
- Ferrule or PCB mount available
- Application: string inverters



SPXV Series Fuses

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



SPXI In-line Series Fuses

- 1500 V dc • 1–60 A
- UL 248-19 Listed
- Meets IEC 60269-6*
- Accommodates large wire range
- No fuse holder required
- Application: PV wire harness (eliminate combiner boxes)



SPNH Series Fuses

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



LFPXV 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



1000 V Dc Solar Fuse Products

SPFI In-line Series Fuses

- 1000 V dc • 2–30 A
- UL 248-19 Recognized
- Meets IEC 60269-6*
- No fuse holder required
- Application: PV wire harness (eliminate combiner boxes)



SPF Series Fuses

- 1000 V dc • 1–30 A
- UL 248-19 Listed
- Meets 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
- Listed to UL 248-19 (PV) and UL 248-8 (Class J)
- Meets 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



High-Speed Protection

PSR High-Speed Series Fuses

- 550–1300 V ac and 500–1000 V dc
- 40 A–2000 A
- UL 248-13 Recognized
- Meets IEC 60269-4
- Available in DIN-mount, flush-end and bolted-blade terminations
- Optional remote indication micro-switch available
- Application: dc couple PV-BESS central inverters



PSX Series High-Speed Square Body Fuses

- 1500 V dc • 80–1400 A
- Dc breaking capacity up to 200 kA at 1500 V dc
- Available in DIN-mount, flush-end and bolted-blade terminations
- UL248-13 Recognized
- Meets IEC 60269-4
- Optional remote indication micro-switch available
- Application: hybrid PV-BESS inverters



*Meets electrical performance requirements

Solar (PV) Application Products

Ground Fault Protection

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

ISDR 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



Overvoltage Protection

SPD2 PV Series Surge Protective 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 protective devices visit Littelfuse.com/SPD

Switch Products

Dc Disconnect Switches

- 1000 and 1500 V • 250 and 400 A
- Design eliminates need for external bridging links (jumpers) to lower heat dissipation and save installation time
- Applications: combiner boxes, array combiners and string inverters



Solar Applications

- D String Inverter**
600 V to 1000 V Solar Fuses
Touch-Safe Fuse Holders
Power Distribution Blocks
Surge Protective Devices
Dc Disconnect Switches

- C Micro Inverter**
TVS Diodes/SCRs

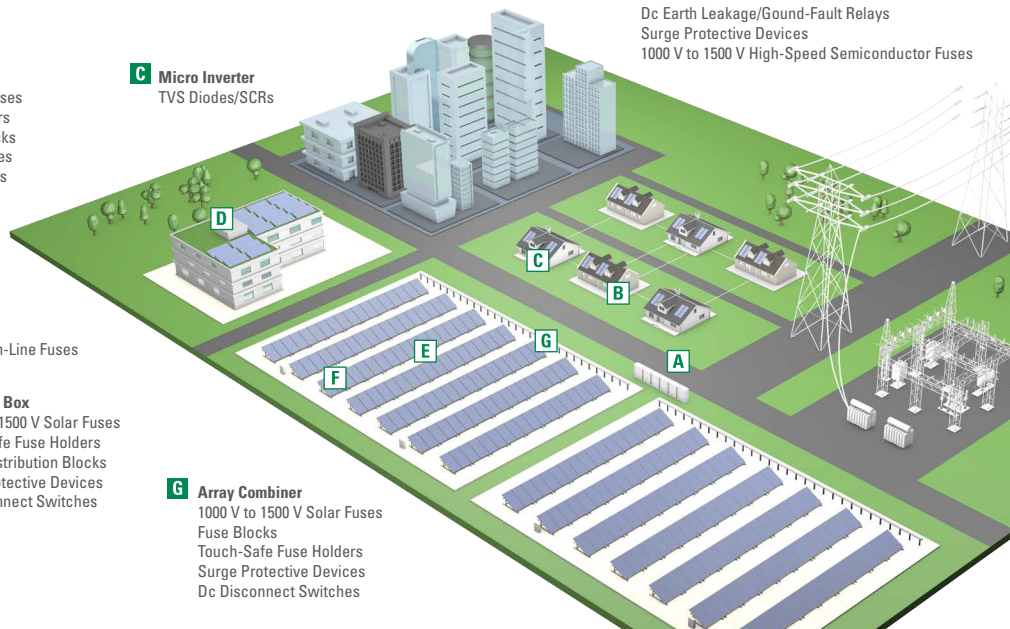
- B Small Inverter**
TVS Diodes/SCRs

- A Central Inverter**
600 V to 1500 V Solar Fuses
Power Distribution Blocks
Dc Earth Leakage/Ground-Fault Relays
Surge Protective Devices
1000 V to 1500 V High-Speed Semiconductor Fuses

- E Wiring Harness**
1000 V to 1500 V Solar In-Line Fuses

- F Combiner Box**
1000 V to 1500 V Solar Fuses
Touch-Safe Fuse Holders
Power Distribution Blocks
Surge Protective Devices
Dc Disconnect Switches

- G Array Combiner**
1000 V to 1500 V Solar Fuses
Fuse Blocks
Touch-Safe Fuse Holders
Surge Protective Devices
Dc Disconnect Switches



With over 25 million devices installed in photovoltaic power systems, Littelfuse understands the global challenges of the solar market. We offer 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, visit Littelfuse.com/Solar

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