

**MERSEN**  
*Expertise, our source of energy*

COMPREHENSIVE  
PROTECTION  
SOLUTIONS FOR  
PV APPLICATIONS

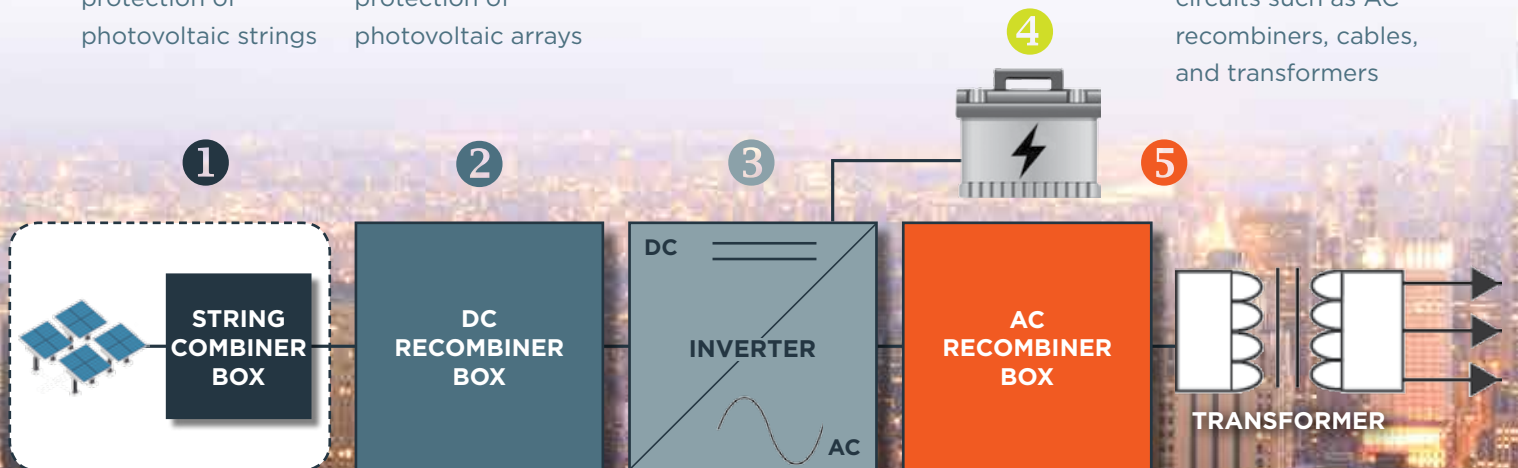




# CIRCUIT PROTECTION SOLUTIONS FOR PV INSTALLATIONS FROM PANELS TO GRID

## SOLUTIONS BY PRODUCT TYPE AND INSTALLATION LOCATION

1	2	3	4	5
<b>PV STRING PROTECTION</b>	<b>PV ARRAY PROTECTION</b>	<b>INVERTER PROTECTION</b>	<b>BATTERY PROTECTION</b>	<b>SYSTEM PROTECTION</b>
<b>HelioProtection® PV Fuses, Fuse Holders, and SPDs</b>	<b>HelioProtection® PV Fuses, Fuse Holders, and SPDs</b>	<b>High Speed Fuses</b>	<b>Battery Protection Fuses</b>	<b>General Purpose Protection Devices</b>
A range of HelioProtection® fuses, fuse holders, and surge protective devices specifically designed for the protection of photovoltaic strings	A large variety of HelioProtection® fuses, fuse holders, and surge protective devices specifically designed for the protection of photovoltaic arrays	A range of high speed fuses specifically designed for the protection of inverters and rectifiers	A range of dedicated DC fuses specifically designed for the protection of energy storage batteries	A large variety of low and medium voltage fuses and low voltage SPDs for the protection of inverter output circuits such as AC recombiners, cables, and transformers



# PROTECT YOUR SOLAR POWER INVESTMENT WITH ELECTRICAL COMPONENTS SPECIFICALLY DESIGNED FOR PV APPLICATIONS

<p><b>HP6M (600VDC) and HP10M (1000VDC) Series</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Designed for string level PV protection</li> <li>For rooftop combiner box applications</li> <li>600VDC and 1000VDC, 30A maximum</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> <li>IEC 60269-6 Approved</li> </ul> 	<p><b>HP6J - 600VDC PV-Rated Fuses</b></p> <p>2</p> <ul style="list-style-type: none"> <li>Designed for array level and inverter input protection</li> <li>600VDC, 400A maximum</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>Battery Protection Fuses</b></p> <p>4</p> <ul style="list-style-type: none"> <li>DC fuse links designed for the protection of energy storage batteries</li> <li>EES Battery Pack Protection up to 1500VDC</li> </ul> 
<p><b>HP15M Series Midget (10 x 85 mm)</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Designed for string level protection</li> <li>1500VDC</li> <li>Up to 32A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>HP10J Series</b></p> <p>2</p> <ul style="list-style-type: none"> <li>For array protection, re-combiner box and inverter applications</li> <li>1000VDC</li> <li>Up to 600A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>AJT - 600VAC Branch Circuit Fuses</b></p> <p>5</p> <ul style="list-style-type: none"> <li>General purpose protection for the AC side of the system</li> <li>600VAC, 600A maximum</li> <li>UL Listed to standard 248</li> </ul> 
<p><b>HP15G Series - Class G (10 x 57 mm)</b></p> <p>1</p> <ul style="list-style-type: none"> <li>For inline PV module protection</li> <li>1500VDC</li> <li>Up to 5A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>20x127 gRB Fuses and PS20 Fuse Holder</b></p> <p>3</p> <ul style="list-style-type: none"> <li>For 1000VDC and 1500VDC PV inverter protection</li> <li>With remote indication</li> <li>UL 248 Recognized</li> </ul> 	<p><b>CP - 600VAC Cable Limiters</b></p> <p>5</p> <ul style="list-style-type: none"> <li>Reliable protection for underground cable distribution networks</li> <li>600VAC, 1000kcmil maximum</li> <li>UL Listed to standard 248</li> </ul> 
<p><b>Crimp Cap Termination: HP10M, HP15M, HP15G</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Unique wire crimp terminal permits solderless wire-to-fuse connection for overmold encapsulation of fuse and wiring</li> <li>1000VDC and 1500VDC</li> <li>Up to 32A</li> </ul> 	<p><b>PSC Square Body Fuses</b></p> <p>3</p> <ul style="list-style-type: none"> <li>For protection of semiconductor and capacitor devices in the inverter</li> <li>Worldwide acceptance</li> <li>UL certified to standard 248</li> </ul> 	<p><b>Medium Voltage General Purpose Fuses</b></p> <p>5</p> <ul style="list-style-type: none"> <li>Protection for transformers and distribution equipment</li> <li>Current limiting</li> <li>UL Certified per ANSI/IEEE standards</li> </ul> 
<p><b>1500VDC PV Fuse Holder Series</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Utility-scale applications</li> <li>Combiner box applications</li> <li>Allows for ease of installation</li> </ul> 	<p><b>HP10NH Series</b></p> <p>2</p> <ul style="list-style-type: none"> <li>For array protection</li> <li>1000VDC</li> </ul> <p>3</p> <ul style="list-style-type: none"> <li>Up to 250A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>HSJ High Speed Class J Fuses</b></p> <p>3</p> <ul style="list-style-type: none"> <li>For re-combiner box and inverter applications</li> <li>600VAC, 500VDC</li> <li>UL listed to standard 248-8 File E2137</li> </ul> 
<p><b>UltraSafe™ Fuse Holders</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Finger-safe fuse holders for combiner box applications</li> <li>1000VDC, 30A maximum</li> <li>UL Certified to standard 4248</li> </ul> 	<p><b>HP12NH Series</b></p> <p>2</p> <ul style="list-style-type: none"> <li>For array protection</li> <li>1250VDC</li> </ul> <p>3</p> <ul style="list-style-type: none"> <li>Up to 400A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>HPJ Open-Style Fuse Holders</b></p> <p>2</p> <ul style="list-style-type: none"> <li>Ideal for re-combiner and inverter input applications</li> </ul> <p>3</p> <ul style="list-style-type: none"> <li>Various wire terminations available</li> </ul> <p>5</p> <ul style="list-style-type: none"> <li>UL Certified to standard 4248</li> </ul> 
<p><b>GPM Series Panel Mount Fuse Holders</b></p> <p>1</p> <ul style="list-style-type: none"> <li>For use with HP6M and HP10M (10 x 38mm) fuses</li> </ul> <p>2</p> <ul style="list-style-type: none"> <li>600VDC, 1000VDC self certified</li> </ul> <p>3</p> <ul style="list-style-type: none"> <li>UL Recognized to standard 4248</li> <li>CSA Certified Class 6225-01</li> </ul> 	<p><b>HP15NH3L Series</b></p> <p>2</p> <ul style="list-style-type: none"> <li>For array protection</li> <li>1500VDC</li> </ul> <p>3</p> <ul style="list-style-type: none"> <li>Up to 400A</li> <li>UL Listed to standard 2579 (now UL 248-19)</li> </ul> 	<p><b>Surge-Trap® Advanced Surge Protection</b></p> <p>1</p> <ul style="list-style-type: none"> <li>Ideal for all PV installations from roof top to large-scale and off-grid applications</li> </ul> <p>2</p> <ul style="list-style-type: none"> <li>Does not require back-up fuse</li> </ul> <p>5</p> <ul style="list-style-type: none"> <li>UL 1449 Type 2CA</li> </ul> 



MERSEN IS A GLOBAL EXPERT  
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