

**600V MOSFET**



**Features**

- Superjunction Technology
- Low On-Resistance
- Low Conduction Losses
- Low Gate Charge
- Integrated Fast Recovery Diode
- High-Speed Switching



**Benefits**

Optimize system performance and efficiency in diverse applications with typical on-resistance values ranging from 65mΩ to 95mΩ, available in a compact TO-247 package.

Integrated fast recovery diode (FRED) options improve recovery times and simplify circuit design, while superjunction technology ensures low conduction losses and minimizes power dissipation for reliable operation in demanding environments.

**Applications**



Robotics applications

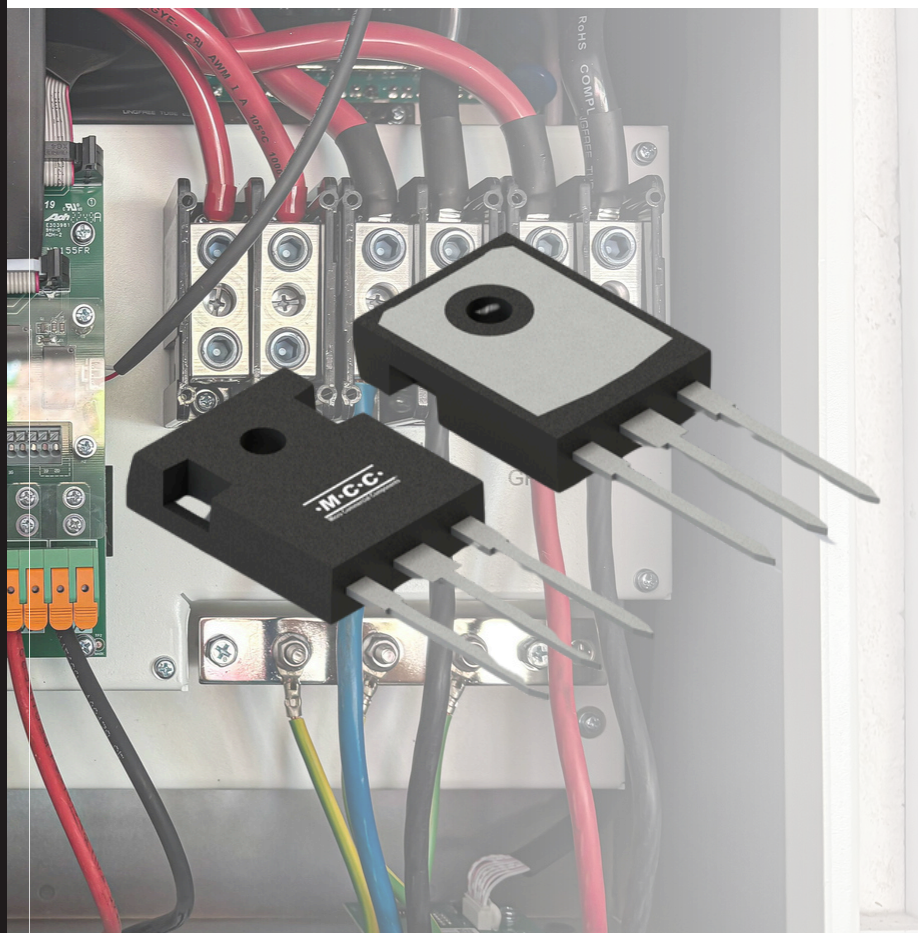


Solar inverters



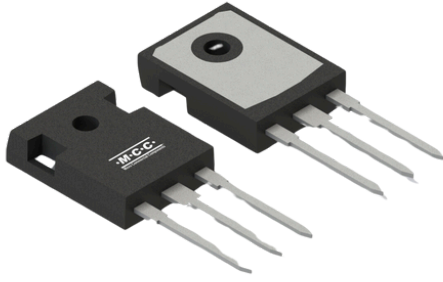
High-efficiency appliances

**MCC's 600V MOSFET:  
Low RDS(on),  
High Performance  
& Integrated FRED**



**Engineered for Low  
Losses, Fast Switching &  
High Efficiency**

# 600V SJ MOSFETs with integrated FRED options



## Product Attributes, Parametrics & Datasheets

Product	Type	Package	Reverse Breakdown-Voltage VRWM	Drain-Source On-Resistance (Typ.) RDS(on)	Peak Integrated Fast Recovery Diode IPP	Mounting Type	Datasheet
<a href="#">MCW075N60FH</a>	N-Channel Power MOSFET	TO-247	600V	65mΩ	Included	Through-Hole	<a href="#">Info</a>
<a href="#">MCW099N60SH</a>	N-Channel Power MOSFET	TO-247	600V	85mΩ	Not Included	Through-Hole	<a href="#">Info</a>
<a href="#">MCW105N60FH</a>	N-Channel Power MOSFET	TO-247	600V	95mΩ	Included	Through-Hole	<a href="#">Info</a>

## Applications:



Power Supplies	Motor Drives	Renewable Energy	Consumer Electronics	Industrial
<ul style="list-style-type: none"> <li>AC-DC converters</li> <li>Battery protection</li> <li>DC-DC converters</li> <li>Power management systems</li> </ul>	<ul style="list-style-type: none"> <li>Industrial motor controls</li> <li>Robotics applications</li> </ul>	<ul style="list-style-type: none"> <li>Solar inverters</li> <li>Wind power converters</li> </ul>	<ul style="list-style-type: none"> <li>Power adapters and chargers</li> <li>High-efficiency appliances</li> </ul>	<ul style="list-style-type: none"> <li>Uninterruptible power supplies (UPS)</li> <li>Welding equipment</li> <li>Heating, ventilation, and air conditioning (HVAC) systems</li> </ul>

**CONTACT MCC TO REQUEST A SAMPLE**

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