

Fast Facts

Primary Solid State Power Controller

TT Electronics PEPSC package is designed to replace electro-mechanical devices used in aerospace primary electrical power distribution systems with an SSPC (solid-state power controller) power module package using SiC technology. The package intends to extend the use of SSPC technology into primary power systems capable of 270VDC operation with an output current level in the range of 120A.



BENEFITS & FEATURES

- Output current up to 120A
- +270V and ±270V prototypes
- Integrated power module design and assembly benefits
- Fast switching
- Lighter weight
- High reliability
- Additional current limiting functions can be added
- Custom drive capability
- Increased voltage currents for required configurations available in 2017
- Options on fault protection capability

APPLICATIONS

- Electrical power distribution
 - Civil Aerospace
 - Marine
 - Military Aerospace
- Circuit break applications
- Primary distribution panels
- Circuit panels