

AC SECONDARY POWER DISTRIBUTION



115 VAC SPDU

FEATURES & BENEFITS:

- Up to 21 kVA continuous distribution
- Advanced wire and load protection
- Fully configurable I²T compatible protection
- Single and multi-phase load configurable
- Channel paralleling for higher current loads
- Precision low-noise zero-cross switching
- Parametric burst-mode modulation
- Solid-state speed and reliability
- Additional cockpit panel space
- Absorption of other system functions
- Load monitoring and prognostics
- Reduced wiring and installation labor
- Reduced part and model number count
- Reduced pilot workload
- Passively cooled
- Up to 25% reduced system weight

NEW from AMETEK PDS!

Distribute, control, and protect using our 3-Phase 115 VAC Secondary Power Distribution Unit. Capable of continuously delivering 180A across 24 independent SSPC channels, our SPDU replaces traditional circuit breakers and switching relays with industry leading solid-state performance, flexibility and safety.

Designed for all load types, the AC SPDU provides arc-fault protection and our patented fail-open protection while remaining compatible to MIL-STD-704 and DO-160 requirements for surge, in-rush currents and EMI / EMC. It also provides extensive redundancy, self-testing and maintenance logging to assure load and wire protection and provide troubleshooting tools.

Customize for your application without software modifications. Using up-loadable data tables, remotely configure the SPDU to meet new performance requirements, add timing and control logic, support a wide-ranging of loads or quickly adapt to specific missions or optional detail packages.



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SPECIFICATIONS:

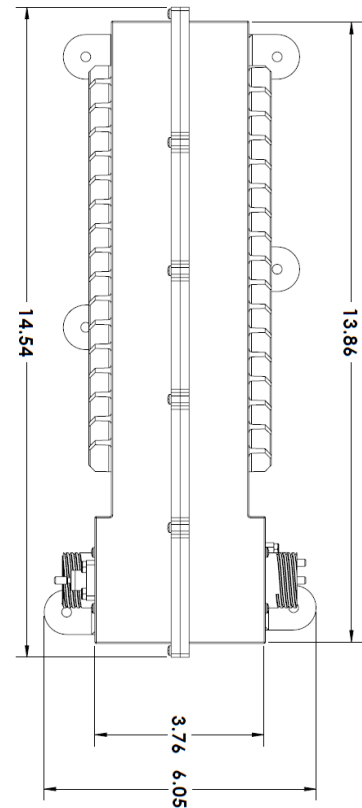
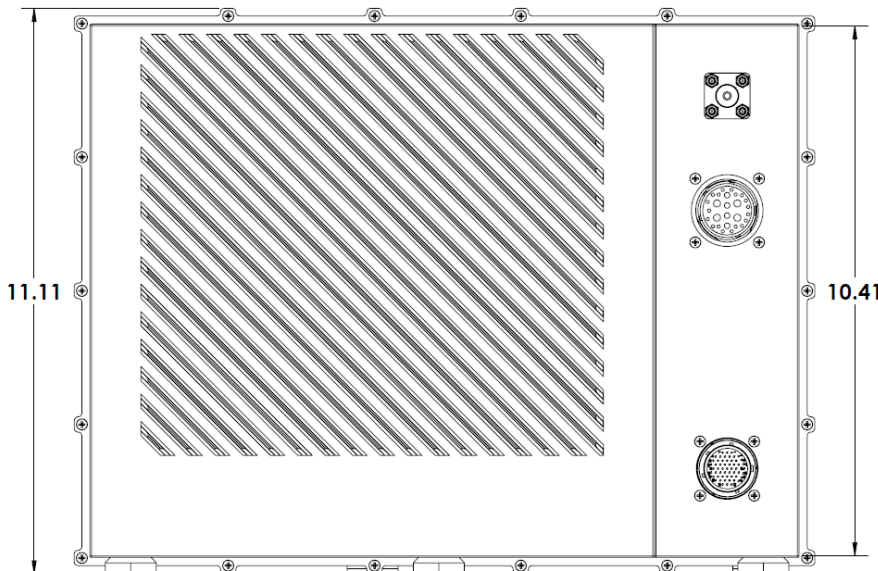
- Configurable SSPC trip settings
- Configurable default power up state and delay for SSPCs
- Burst Mode PWM
- SSPCs controllable via discrete inputs and digital communication
- Arc-fault protection and fail-safe protection
- Control and status communication: Two RS-485 buses or two CAN 2.0 buses (ARINC 825 compatible)
- Up to 24 solid-state power controllers SSPC ratings: 7.5 A (can be configured for single-phase or 3-phase loads)
- Control power derived from 115 VAC bus (28 VDC control power not required)
- Eight assignable 28 VDC discrete ground/open outputs
- Eight assignable discrete ground/open inputs
- Up to 180A steady-state current (60A per phase)
- AC input bus range: 90 VAC to 134 VAC
- Frequency range: 40Hz to 1,000Hz
- Operating temperature range: -40°C to +70°C

PACKAGING

- 369.32mm x 282.19mm x 153.67mm (14.54" x 11.11" x 6.05")

WEIGHT

- 6.36kg (14.0 lbs)



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Learn more at: AMETEKPDS.com