

SureStart RV

Compressor soft starter / for single phase RV air conditioning applications



- Novel, light weight softstart solution to operate RV air conditioning compressors.
- ON DEMAND start surge reduction by 75% to allow startup on smaller sized generators and solar-inverter based power sources.
- Integrated Generator Anti-Stall & Preload feature - Pre-empts any generator duress to temper compressor startup.
- Reduces startup noise for a quieter ambience.
- Seamless switching between generator, inverter or campsite power. No learning cycles involved.
- Unique inline wiring through weather proof enclosure.
- Hassle free, intuitive installation.
- Installation only requires access to compressor wiring. Minimal tools needed.
- Connect and forget - service free product.
- Readily accessible indicators for Power On and fault diagnostics.

Key Specifications	SSOC04-20RW
Nominal Voltage rating	120VAC
Single/Three phase	Single Phase
Main Frequency (Tolerance +/-3 Hz)	60Hz
Motor Current, max RLA/FLA range	20A
Contactors	Secondary
LRA max	120A
Start Current reduction	Up to 75% of LRA
Startup torque reduction	30-40%
Degree of protection	IP65/NEMA4
Operating Temperature (°C / °F)	-20° to 60°C / -4° to 140°F
Storage Temperature (°C / °F)	-40° to 85°C / -40° to 185°F
Number of starts per hour	15 starts / hr
Softstart on Thermal reset	Yes
Maximum high voltage	130V
Power Supply & Control voltage	Auto-Start at Power Up
Short Circuit Current Rating SCCR, kA	5
Line conductor, max AWG size	12
Dimensions	8" x 3.25" x 2.25" (203 x 83 x 57mm)
Weight g / lb	350g / 0.78 lb

General data

- Secondary isolation - Must operate in series with contactor/relay
- Life expectancy at maximum rated load, minimum 100,000 operations
- Certified to the latest UL60947:2020 safety standards.
- IP65/NEMA4 enclosure.
- Rugged UL94-VO compliant enclosure
- ETL approved
- RoHS compliant

Bare board option

- Enterprising opportunity for OEMs to offer softstart as a standard inclusion in RV AC units.
- Compact board design limited to 3.5" x 2.5" (90mm x 65mm).
- Inline wiring with compressor for easy assembly.
- No additional wiring or components required.

