

ICM870-32A Soft Start



RV

APPLICATIONS:

APPLIANCE |

E | ELECTRICAL | HVAC/R | MARINE | POOL&SPA |



OVERVIEW

ICM870 Series soft starters are intended for use in Residential, Commercial, RV and Marine applications. Using a soft start in a backup power storage application provides several benefits including:

- 1) Reduces the initial inrush current necessary to start a motor/ compressor. Reducing the excessive electrical draw from the power source, in turn allows for the use of a smaller generator or backup battery system.
- 2) Minimizes stress on the connected equipment by gradually ramping up the power output, reducing the risk of voltage spikes and equipment fatigue. This increases the overall lifespan of the A/C unit and backup power equipment via reduced wear and tear.
- 3) Dimming of household lights and the loud banging noise when the Air Conditioner starts up is often significantly reduced.

FEATURES

- ✓ Reduces in-rush current/draw necessary at startup by up to 70%
- ✓ Prolongs the life of A/C by reducing excessive torque, wear and tear
- Reduces loud noises, light flickering, and breaker trips
- ✓ Built-in dynamic start delay
- ✓ Built-in self-learning algorithm
- ✓ Over-current protection
- ✓ Over/under voltage monitoring
- ✓ Built-in start capacitor
- ✓ LED fault indicators
- Ultrasonically sealed tamper-proof enclosure
- ✓ Installation hardware is included

SPECIFICATIONS

- **Inputs:** L1 & L2
- Nominal voltage: 120 VAC, 240 VAC
- Over voltage limits: 240 VAC nominal = 264 VAC
- Under voltage limits: 120 VAC nominal = 95 VAC, 240 VAC nominal = 195 VAC
- Outputs: Compressor
- Current: Maximum nominal = 32A
- Over current limits:
 - ICM870-32A = 40A
- **Operating temperature:** -40°F to 131°F (-40°C to 55°C)
- **Storage temperature:** -40°F to 149°F (-40°C to 65°C)
- Humidity: 0-95% non-condensing
- Enclosure: IP65
- Dimensions: 7.94" X 4.20" X 2.10"

REPLACES

The **ICM870A-32A** replaces the amperage-corresponding models from the following manufacturers:

Dometic (SmartStart)

Hyper Engineering (Sure-Start) Micro-Air (EasyStart) Network RV (SoftStartRV)

Carlo Gavazzi (SmoothStarter)





Content and specifications on sell sheets subject to change without notice.

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