



Scan to see a full specifications, installation and agency certification information.

## APPLICATIONS:

APPLIANCE / ELECTRICAL / HVAC/R / MARINE / POOL & SPA / RV



## 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 4-minute delay on start
- ✓ 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)