

Improve Your Starts

With

EasyStart™



Your A/C compressor motor current soars at startup.

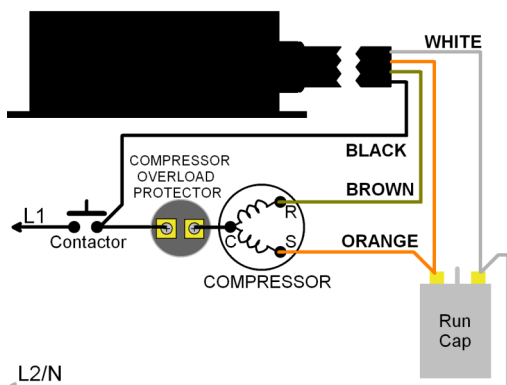
Compressor starts often draw 5 to 8 times the normal running current. This can cause lights to dim, generators to stall, breakers to trip, or marginal inverters to simply not work, and it may even damage other devices connected to your electrical system.

EasyStart is a low cost solution to expensive generator replacements and costly service upgrades.

EasyStart reduces starting current to about twice the running current and controls power throughout the start. Compressors start smoother, and the power source work load is lighter with EasyStart.

EasyStart beats the competition

- Better performance
- Lower cost
- Improved dual-frequency operation
- Enhanced fault detection to protect the compressor
- Integrated models available for some popular marine air conditioning controls
- Up to 70% reduction from LRA



Specifications

Voltage: 100 to 250VAC/50-60Hz/1Φ

ASY-364-X36 - Current: 32 FLA

Dimensions: 76x52x178mm
3x2.05x7.02in

ASY-368-X72 - Current: 38 FLA

Dimensions: 120x58x223mm
2.26x4.73x8.78in

Advantages

- Enables a weak power source to run your A/C that would otherwise have not, including utilities, shore cords, generators, and inverters (pure or modified sine)
- Optimizes itself by “learning” the compressor
- Retrofittable to any single phase compressor, including reciprocating, rotary, or scroll.
- Can also be used on watermaker pumps, air compressors, and most refrigeration equipment.

Contact your marine air conditioning dealer today and ask about EasyStart™

Available From:

Features	SmartStart	EasyStart
Start-Up Algorithm for Start Surge Reduction		
Lab Tested CE Compliance	✓	✓
Average start surge reduction to 65%	✓	✓
Average start surge reduction to 70%		✓
Sophisticated, auto-learned 4-part start-up algorithm		✓
One-Time Learning Algorithm for better shore power/generator transitions		✓
Optimized to eliminate spikes during start-to-run transition		✓
Individually optimized start-up profiles for 50Hz and 60Hz		✓
Low sensitivity to momentary voltage dips during start-up		✓
Auto-bleed of run cap voltage and compressor energy during shutdown		✓
Reliably starts any 115V compressor on a Honda EU2000i in ECO Mode		✓
Electronic Hardware		
Daughterboard & Low-Cost Board-Only solutions available		✓
True 6 ton compressor support in largest model (38 FLA)		✓
Precise Compressor Rotation/Phase Measurement		✓
Fault Detection for Compressor/Wiring/Electronics Protection		
Stall Detection during start-up	✓	✓
Open-Klixon Detection during start-up and run operation	✓	✓
Momentary Power Outage detection during run operation	✓	✓
3-Minute Shutdown and restart after fault	✓	✓
Sustained Over-Current detection during run operation		✓
Fault LEDs on circuit board for easy determination of cause		✓
Plastic Enclosure Solution		
Flame Retardant	✓	✓
Integrated Harness	✓	✓
Multiple Sizes for compressor capacity ranges	✓	✓
Integrated Mounting Tabs		✓
Removable Lid for troubleshooting via LEDs & for start cap servicing		✓
Drip-Proof water resistance & no-ingress enclosure (IP51)		✓
Lower cost		✓