



TRU-Mount Solar Charging System



*Durable, High-Efficiency Panel
Generates More Power. Faster.*

- Engineered to mount smartly and securely to the top of the Carrier unit
- System combines ultra-pure silicon cells with a high-performance charge controller for optimal power delivery
- 2.0 Amp solar operating current means faster, more complete charging of the refrigeration unit, helping to ensure uninterrupted performance*
- 5-year Limited Warranty on panel output
- U.S. Patent Pending



**compared to prior Carrier® Solar Technology.*

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FEATURES & BENEFITS



Carrier's custom engineered solution meets the rigors of harsh transportation environments

Smartly-engineered Solar Panel:

- Full-size, uncut monocrystalline solar cells maximize output and reduce power loss from intermittent shading
- Benefits of EFTE top encapsulation vs. PET coatings
 - Increased light transmission due to low reflectivity
 - Higher UV resistance
 - Higher impact resistance
 - Increased dirt and scratch resistance
- Built-in copper heat sink layer keeps panel temperature cooler for greater power efficiency
- TRU-mount avoids the TRU air exhaust path, maintaining the efficiency of the TRU
- Solar panel and charge controller perfectly mated for greater power delivery*
- 100% tested for power generation prior to shipping

High-Performance Charge Controller:

- Uniquely matches the output of the panel to the voltage required by the battery
- Charges battery more efficiently, delivering more amps per cell*
- Panel-mounted charge controller designed for easy, time-saving installation

Additional Benefits:

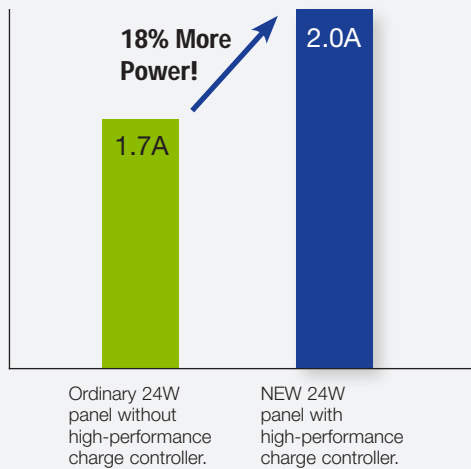
- Fuel savings possible when the Carrier reefer is operating in Start-Stop Mode
- Lightweight and weatherproof
- AGM & wet-cell compatible
- Carrier spec wiring with integrated fused harness and plug & play connectors
- Panels may be eligible for U.S. Federal tax credit
- Backed by Carrier's comprehensive dealer service and support network in North America

PERFORMANCE SPECIFICATIONS

Wattage 24	Solar Operating Current 2.0 Amps
Weight 2.3 lbs	Dimensions 48" L x 7" W

Available for X2™, X4™, Vector™ 6000 and 8000 series. Contact your local dealer for respective kit part numbers.

Power Output Comparison (Amps)



- More amps than comparable systems, vital for keeping batteries topped off.

Tested tough

Passed the following:

- Vibration – BS EN 60068-2-64:1993
- Salt Fog – ASTM-B-117-73
- UV Exposure – ASTM D 5017
- Thermal Shock – IEC 61646
- Damp Heat – IEC 61646
- Shock – meets Carrier's standard
- Hail Tested – <2% power drop in up to 3/4" simulated hail
- RoHS Compliant
- CE Certified
- IP 67 rated

Can be used with telematics-equipped reefers, including those using Carrier Transcold eSolutions™ system

www.carrier.com/tru-solar

*compared to prior Carrier® Solar Technology.

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