

Solar Charging Systems for Carrier® Transicold® Units

**Durable 110W and 50W Panels
Generate More Power. Faster.**

**System combines ultra-pure silicon cells with a high-performance
charge controller for optimal power delivery:**

- Faster, more complete charging of the refrigeration unit battery helps ensure uninterrupted performance*
- Three smartly-engineered panel layers – weatherproof light-trapping surface, uncut crystalline silicon (c-Si) wafer and copper heat-sink foundation – maximize strength and efficiency
- 5-year Limited Warranty on panel output
- Installed and backed by comprehensive dealer service and support network in North America

* vs. prior technology Carrier® panel and controller

For more information, see other side.



*An Assist from
93 Million Miles Away.*



50W PERFORMANCE SPECIFICATIONS

Wattage: 50

Solar Operating Current:
4.2A

Dimensions:
29.6" L x 16.9" W

Solar Panel 50W

TRU Compatibility
X4™ 7xxx

Vector™
8500/8700/8800

Vector™
8600MT

Vector™ 8611MT

Vector™
6500/6600MT

X2
(APX™, Advance™)

110W PERFORMANCE SPECIFICATIONS

Wattage: 110

Solar Operating Current:
10A

Dimensions:
45" L x 21" W

Solar Panel 110W

TRU Compatibility

Vector™
8500/8600/8700/8800/8811

X4™ 7300/7500/7700

Solar Charging Systems

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
- ETFE top encapsulation plus specialty encapsulation stack – benefits 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

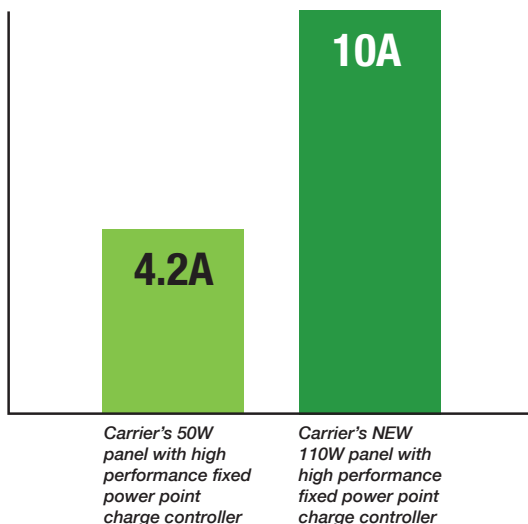
Fixed Power Point Boost Charge Controller:

- Uniquely matches the fixed output of dedicated panel to the fixed voltage required by the battery

Additional Benefits:

- Fuel savings possible when the Carrier reefer is operating in Start-Stop Mode
- Lightweight and weatherproof
- AGM and wet-cell compatible
- Adhesive-mounted; optional mechanical fasteners available to secure to trailer roof rivet strip
- Carrier spec wiring with plug and play connectors

Solar Operating Current Comparison



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



Advantageous for use with telematics-equipped reefers, including those using Carrier® Transicold® Lynx Fleet™ systems.



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 ¾" simulated hail
- RoHS Compliant
- CE Certified
- IP 67 rated

www.carrier.com/tru-solar

Panels may be eligible for U.S. Federal tax credit.