

## RAILROAD SOLAR MADE SIMPLE

### RR 24/7 QUICK DEPLOY RAILROAD SOLAR SYSTEM SOLUTIONS



Kyocera Solar Inc. offers remote Solar Power Systems specifically designed to meet the unique demands of the railroad industry. Pre-engineered to ensure that the solar power supply is properly configured and installed to deliver years of top level performance, 24 hours a day, 7 days a week. With over 20 years of railroad product design, the Kyocera Solar team is dedicated to providing the very best solution for your railroad application.

#### APPLICATION SOLUTIONS SUPPORTING:

- Wayside Signaling
- Intermediate/Approach Lit Signals
- Repeater Locations
- Hot Box Detectors
- Grade Crossings
- Telecommunication Power Supplies
- Control Points

#### KEY BENEFITS:

- Quick Deploy/Plug and Play
- Most Reliable Panels (20-Year Warranty)
- Fits Existing Structures
- Simple, Compact and Consistent Installations
- Value-Priced



**KYOCERA RR 24/7**

## KYOCERA RR 24/7 STANDARD PRODUCT LINE

COMPLETE RAILROAD SYSTEM SOLUTION

### FEATURES

- Ready-to-Go, Quick Deploy Systems
- Plug and Play System Design
- Kyocera UL-Certified Solar Modules – 20-Year Warranty
- Designs for NiCad, Maintenance-Free Batteries
- Simplified Mounting System for Ease of Installation
- UL-Certified Components
- Low Voltage Alarm & Surge Protection
- Theft-Resistant Mounting Hardware
- Wind Hybrid Option Available
- One-Year System Warranty

### OFF THE SHELF

With standard system packages, your engineering team can QUICKLY SELECT, SPECIFY and DEPLOY any Kyocera RR 24/7 system package.

### SUNLIGHT TO SERVICE

Since 1975, Kyocera has become one of the world's largest manufacturers of photovoltaic modules and system integrators of stand-alone and hybrid power systems. Kyocera we offers a framework to help customers overcome the challenges of designing, planning and installing simple to complex solar electric power systems. Our comprehensive strategies combine years of real-world knowledge of photovoltaic solar electric technology, engineering, and technical support-all within the framework of one supplier.



[www.kyocerasolar.com](http://www.kyocerasolar.com)

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Authorized Distributor:



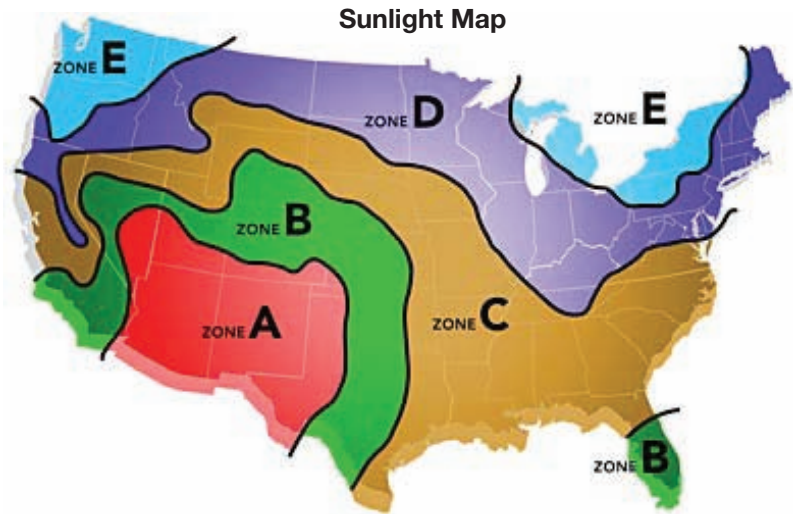
800-472-7373

[www.tessco.com/go/railroad](http://www.tessco.com/go/railroad)

## Railroad Solar Power System Sizing Procedure

Instructions:

1. Identify installation site on the sunlight map and determine the peak sunlight zone.
2. Calculate your equipment load profile in Amp/Hr/Day.  
 Example:  
 A device pulling 2 amps X 24hrs per day @ 12VDC = 48Ah/Day
3. Locate your zone column on the matrix below and locate a maximum daily load in the body of the matrix that is equal to or larger than your calculated equipment load profile.
4. Select the SKU for the system best for your location.



**In-Stock Solar System Sizing**

**Maximum Daily Load Ahrs**

RAILROAD SYSTEMS			MAP ZONES				
SKU	SOLAR (W)	VOLTAGE VDC	A	B	C	D	E
392317	130	12	27.71	22.17	16.63	11.09	5.54
342857	260	12	55.43	44.34	33.26	22.17	11.09
302624	390	12	83.14	66.51	49.88	33.26	16.63
392540	520	12	110.85	88.68	66.51	44.34	22.17
362779	780	12	166.28	133.02	99.77	66.51	33.26
392449	910	12	193.99	155.19	116.39	77.60	38.80
332297	1040	12	221.70	177.36	133.02	88.68	44.34