

# PURKEYS

A MISSION CRITICAL ELECTRONICS BRAND

## SOLAR DASH 03

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## INSTALLATION GUIDE





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## INSTALLATION

Step 1: Turn off the refrigeration unit.

Step 2: Disconnect the refrigeration unit from any and all shore power (land-based grid power).

Step 3: Disconnect the positive battery cable.

Step 4: Position the solar panel on top of the refrigeration unit so the sun will strike the panel. Mounting hardware must be provided by the installer and is not included in this kit. (Optional Solar Panel Mounting Kit is available: Part # PL00102-K.)

Step 5: Connect the Solar Dash controller and harness assembly to the solar panel (see Figure 1).



Figure 1

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Step 6: Route the Solar Dash controller and harness assembly to the starter so the controller is visible for diagnostic purposes.

Connect the negative cable to the ground stud (see Figure 2) and the positive cable to the starter BAT terminal (see Figure 3).

Important! Be sure to route the harness so it will not contact sharp metal edges or fuel lines.



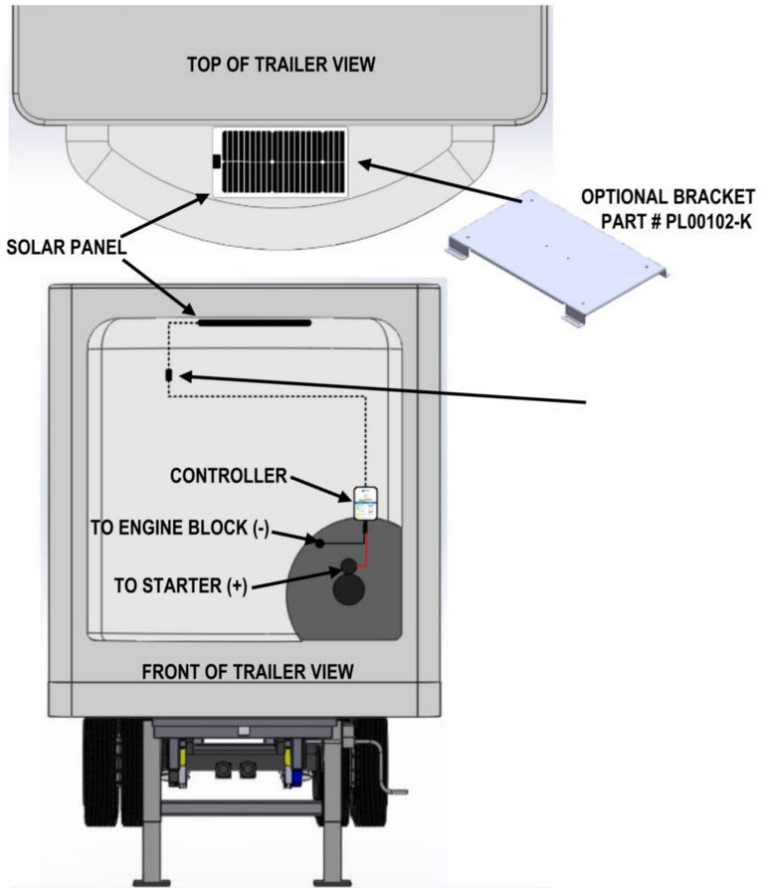
Figure 2



Figure 3

Step 7: Secure harness, using clamps or wire ties, to prevent chaffing and damage.

Installation Complete



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## LED OPERATION AND TROUBLESHOOTING



LED	CONDITION	ACTION NEEDED
Green Solid	Good Voltage (battery above 12.4 volts) - Charging	None
Green Blink	Good Voltage (battery above 12.4 volts) - Not Charging	None
Yellow Solid	Low Voltage (battery below 12.4 volts) - Charging	Test vehicle or reefer battery.
Orange Blink	Low Voltage (battery below 12.4 volts) - Not Charging	Check position of Solar Panel. Ensure sunlight is striking panel.
Orange Rapid Blink	Fault (battery below 10.0 volts or above 15.0 volts)	Test vehicle or reefer battery.
No LED	Open circuit from battery positive and the Solar controller or disconnected ground	Repair circuit by repairing the wire or replacing the fuse.





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## LIMITED COMMERCIAL WARRANTY POLICY

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MCE Purkeys FE, LLC (hereafter “Purkeys”), warrants each product to be free of defects in material or workmanship under normal use and service. This warranty is for the benefit of Original Equipment Manufacturers, Dealers, Warehouse Distributors, Fleets, or other End Users (hereafter “Customers”) and covers products manufactured by Purkeys and sold new to Customers either directly by Purkeys or by its authorized dealers, distributors, or agents. The length of the Warranty Period is 36 months.

The warranty period commences on the in-service or install date and is not transferable. Failure to provide the in-service or install date on the warranty claim form will cause the warranty period to begin on the date the part was manufactured, or date of sale recorded on the original sales invoice, whichever is earlier.

A completed warranty claim form should accompany all parts submitted to Purkeys for consideration for repair or replacement under warranty. The submitted claim form should contain all of the information required. Lack of a properly or fully completed claim form will result in delay or denial of warranty claim. Claims must be submitted no later than 30 days after part is removed.

This warranty does not apply if, in sole judgement of Purkeys, the product has been damaged or subjected to accident, faulty repair, improper adjustment, improper installation or wiring, neglect, misuse, or alteration or if the product failure is caused by defects in peripheral vehicle components or components attached to the Product or failure of a part not manufactured by Purkeys.

This warranty shall not apply if any Purkeys product is used for a purpose for which it is not designed or is in any way altered without the specific prior written consent of Purkeys. ANY product alleged by a Customer to be defective must be inspected by Purkeys as a part of the warranty claims process in order to confirm that the part has failed as a result of a defect in material or workmanship.

Transportation for products and parts submitted to Purkeys for warranty consideration must be prepaid by Customer. Repaired or replaced products and or components will be returned to Customer pre-paid by Customer or “freight collect” to the address provided by Customer in the warranty claim form. No charge will be made for labor or material in effecting such repairs.

The Warranty provided by Purkeys hereunder is specifically limited to repair or replacement of the Product as Purkeys deems most appropriate in its sole discretion. Purkeys neither assumes nor authorizes any other person to assume on its behalf any other warranty or liabilities in connection with Purkeys products. The Warranty does not apply to fuses or other “consumable” or maintenance items which are or may be a part of any Purkeys product.

**THIS WARRANTY DOES NOT APPLY TO LOSS OF VEHICLE OR EQUIPMENT, LOSS OF TIME, INCONVENIENCE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. PURKEYS SPECIFICALLY DISCLAIMS AND SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES arising out of or from the use of Purkeys products by the Customer.**

**THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, INCLUDING COMMON LAW WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND ANY OTHER EXPRESS OR IMPLIED WARRANTIES. ALL OTHER SUCH WARRANTIES ARE SPECIFICALLY DISCLAIMED.**

This Limited Commercial Warranty supersedes all previous Warranty Policies issued by Purkeys and any of its suppliers.

# NOTES

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## NOTES



***WATT Keeps You Trucking***