

Part 573 Safety Recall Report

25V-042

Manufacturer Name : Brinkley RV**Submission Date :** JAN 30, 2025**NHTSA Recall No. :** 25V-042**Manufacturer Recall No. :** REC-2501**Manufacturer Information :**

Manufacturer Name : Brinkley RV

Address : 1655 Brinkley Way East
GOSHEN IN 46528

Company phone : 574-501-4280

Population :

Number of potentially involved : 1,723

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2025 Brinkley RV Model G

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : The vehicles in the recall population include Model G fifth wheel trailers. It has been decided that vehicles in the recall population were assembled with MPPT (Solar) Controllers that have a defective internal component. Vehicles outside of the affected population are built with re-designed controllers that have addressed this defect. The total affected VIN range includes 1723 US units. Of these units, 1331 are retail sold, 392 are not.

Production Dates : FEB 06, 2023 - JAN 23, 2025

VIN Range 1 : Begin :	7TOFG4238RT000004	End :	7TOFG473XRB000164	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	7TOFG4238RT000166	End :	7TOFG4735RB000685	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	7TOFG4739RB000687	End :	7TOFG4236SB001678	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	7TOFG4733SB001680	End :	7TOFG473XSB001692	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	7TOFG4733SB001694	End :	7TOFG4737SB001696	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	7TOFG4730SB001698	End :	7TOFG3837SB001710	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin :	7TOFG4731SB001712	End :	7TOFG4730SB001720	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	7TOFG4736SB001723	End :	7TOFG4737SB001746	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin :	7TOFG4732SB001749	End :	7TOFG3832SB001758	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin :	7TOFG4731SB001760	End :	7TOFG3837SB001786	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin :	7TOFG3830SB001788	End :	7TOFG3830SB001788	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin :	7TOFG4731SB001791	End :	7TOFG4732SB001797	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin :	7TOFG3838SB001800	End :	7TOFG3831SB001802	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin :	7TOFG3835SB001804	End :	7TOFG4735SB001812	<input type="checkbox"/> Not sequential
VIN Range 15 : Begin :	7TOFG4734SB001817	End :	7TOFG4734SB001817	<input type="checkbox"/> Not sequential
VIN Range 16 : Begin :	7TOFG4732SB001833	End :	7TOFG4732SB001833	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : Under certain charging conditions, an internal component within the controller may fail. Upon failure, the controller may continue to accept input from the various power sources, but will not be able to safely dissipate the unused heat/energy. This condition may lead to further damage to the external casing of the controller, and in extreme cases lead to an increased risk of fire to the unit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Upon failure, the controller may continue to accept input from the various power sources, but will not be able to safely dissipate the unused heat/energy. This condition may lead to damage to the external casing of the controller, and an increased risk of fire.

Description of the Cause : Vehicles in the recall population were assembled with MPPT Controllers that have a defective internal component.

Identification of Any Warning that can Occur : The MPPT solar charge controller may behave erratically or cease to function.

Involved Components :

Component Name 1 : SOLAR CHARGE CONTROLLER 50A MPPT DC DC RS-MPPT50DC

Component Description : Rich Solar, MPPT DC-DC SOLAR CHARGE CONTROLLER 8.7 x 6.9 x 3.2 inches - 4.7lbs - black

Component Part Number : Patrick/Rich Solar: RS-MPPT50DC (Brinkley RV: 103261)

Supplier Identification :**Component Manufacturer**

Name : Patrick Industries

Address : 107 W. Franklin Street
Elkhart Indiana 46517

Country : United States

Chronology :

On 1/7/25, Brinkley RV (BRV) received a call from a dealer in regards to an issue with a Model G RV that was being delivered from one dealer location to another. After noticing smoke coming from the unit, the driver pulled over, contacted local fire-fighting resources, and the fire was extinguished. Photos of the front storage

compartment area indicated an origin location at the MPPT (Solar) controller. On 1/13/25 - 1/14/25, representatives from BRV and the solar controller supplier (Rich Solar - division of Patrick Industries) met at the affected dealer's location to inspect the unit. BRV and Rich Solar both opened investigations to determine root cause(s) and corresponding affected scope. On 1/22/25, BRV and Rich Solar/Patrick Ind. met to discuss investigation updates. Rich Solar confirmed that through testing, it was determined that a component within the Solar controller could fail under certain operating conditions, leading to component failure and potential fire in extreme cases. On 1/23/25, the BRV Safety Committee met to review investigation findings, warranty data, and potential affected scope. The Committee voted unanimously to issue a voluntary Recall. Upon review of warranty records, 9 related instances were discovered where the Solar Controller exhibited similar symptoms (cases were typically limited to damage/functionality of the Solar Controller itself, with lower severity than the initiating case above).

Description of Remedy :

Description of Remedy Program :	Detailed Work Instructions and parts will be provided to dealers (and in some cases Independent Service Providers). Costs for the remedy applied to all affected units will be covered by Brinkley RV and the Solar component supplier, Rich Solar/Patrick Industries. Owners who have previously paid to have this remedy performed will, upon documentation of the work, be immediately reimbursed by Brinkley RV.
How Remedy Component Differs from Recalled Component :	The remedy is to replace the suspect controllers with the latest version controller, which has been modified to prevent this failure mode.
Identify How/When Recall Condition was Corrected in Production :	Effective with VIN 7T0FG473XSB001837, the latest revision of solar controller modified with additional protection circuits is being used in Model G production.

Recall Schedule :

Description of Recall Schedule :	Brinkley will notify the dealers and owners of the recreational vehicles by e-mail. Owners will also receive a hard copy letter by mail. A final copy of the owner letter will be provided to NHTSA, along with the dealer inspection/repair procedures. Dealers will also be notified via the Brinkley Dealer Portal, and a post to social media will be made for retail owners.
Planned Dealer Notification Date :	FEB 03, 2025 - FEB 10, 2025
Planned Owner Notification Date :	FEB 05, 2025 - MAR 19, 2025

* NR - Not Reported