



# **UL 458**

## **STANDARD FOR SAFETY**

**Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts**



UL Standard for Safety for Power Converters/Inverters and Power Converter/Inverter Systems for Land Vehicles and Marine Crafts, UL 458

Sixth Edition, Dated September 2, 2015

### **Summary of Topics**

***This revision of ANSI/UL 458 dated January 11, 2021 includes the following changes in requirements:***

- ***Revision to polarity color coding; [58.2](#)***
- ***Revision to scope; [1.1](#), [1.2](#), [1.4](#), [1.5](#), [Table 32.1](#), [Table 35.1](#) and [48.2.5](#)***
- ***Revision to production line test conditions; [Table 54.1](#)***
- ***Revision to address charging lithium batteries; [1.3](#), [Section 14A](#), [58.26](#) and [59.5](#)***

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated July 31, 2020 and October 2, 2020.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.