

SolarEdge TerraMax™ Inverter short circuit current levels - Technical Note - EU & ROW

Revision History

- Version 1.2, May 2025 - Updates to I_{nom} (A) of all inverter models
- Version 1.1, February 2024 – Add SE330K
- Version 1.0, August 2024 – Initial release

Overview

This document specifies the short-circuit currents and their duration for the SolarEdge TerraMax Inverter.

Short circuit current ratings under fault conditions

The following short circuit current ratings exclude the reactive current during the fault.

| I_{nom} (A) | Inverter Model @ 600V L-L | I_p (A) | 1 Cycle RMS (A) | 3 Cycles RMS (A) | Duration (ms) |
|---------------|---------------------------|-----------|-----------------|------------------|---------------|
| 276.1 | SE330K | 618 | 197 | 221 | 150 |
| 276.1 | SE300K | 585 | 182 | 228 | 150 |