

04 July 2023

To whom it may concern,

With respect to AS 5033 and Max Short Circuit Current

Redback Technologies is providing an update to all new and existing SI series inverters. Redback Technologies confirms that all inverter models listed below have been designed with an allowance for 1.25 – 1.5x Isc allowance for compliance with IEC 62109.1. The internal protective device and components used on the inverters have been designed adequately to protect the system from short circuit current of the PV panels. Redback would like to advise the following inverter models listed below have been tested to the stated max short circuit current (Isc max). These values can be used as the inverter component rating for AS 5033 max short circuit current calculations.

Model	Name	Max Short Circuit Current (Isc max)
SI5000 & SI6000	Smart Inverter	DC 20/20A
SI8000 & SI10000	Smart Inverter	DC 40/20A

In selecting panels and doing string design, please note that the limits stated on the plate rating of the inverter must still be used for the operating currents and voltages of the inverters.

Kind regards,



Adrian Knack

Chief Technology Officer

