

Subject: ETL Evaluation of SolarEdge Products to NEC 2014 Rapid Shutdown Requirements

To, whom it may concern

This letter represents the testing results of the below listed products to the requirements contained in the following standards:

of rapid shutdown initiation.

The rapid shutdown initiation National Electric Code, 2014, Section 690.12 requirement for rapid shutdown.

The evaluation was done on the PV Rapid Shutdown System (PVRSS), and covers installations consisting of optimizers and inverters with part numbers listed below.

The testing done has verified that controlled conductors are limited to not more than 30 volts and 240 voltamperes within 10 seconds is performed by turning off the DC Safety switch in the inverters. For inverters marked with (*), rapid shutdown initiation may also be performed by disconnecting the AC feed to the inverter.

Applicable products:

- Power optimizers:
 - PBxxx-yyy-zzzz; where xxx is any number, 0-9, up to a maximum value where xxx = 350; yyy could be AOB or TFI; and zzzz is any combination of four letters and numbers.
 - OP-XXX-LV, OP-XXX-MV, OP-XXX-IV, OP-XXX-EV; where xxx is any number, 0-9.
 - Pxxx; where xxx, is any number, 0-9 to a maximum up to 730.
 - PyyyS and PyyyP; where yyy is any number, 0-9 to a maximum up 830.
 - P400J

- 1-ph Inverters:
 - SE3000A-US / SE3800A-US / SE5000A-US / SE6000A-US / SE7600A-US / SE10000A-US / SE11400A-US when the SolarEdge rapid shutdown cable labeled "MCI-CB-xxxxx-x" which is part of kit SE1000-RSD-xx is installed in the inverter Safety Switch where xxxxx-xx is any number ; inverter part number may be followed by a suffix
 - *SE3000H-US / *SE3800H-US / *SE5000H-US / *SE6000H-US / *SE7600H-US when the SolarEdge rapid shutdown cable labeled "MCI-CB-xxxxx-x" which is part of kit SE1000-RSD-xx is installed in the inverter Safety Switch where xxxxx-xx is any number ; inverter part number may be followed by a suffix
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- 3-ph Inverters:

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- SE9KUS / SE10KUS / *SE14.4KUS / SE20KUS / *SE30KUS / *SE33.3KUS when the SolarEdge rapid shutdown cable labeled “MCI-CB-xxxx-x” which is part of kit SE1000-RSD-xx is installed in the inverter Safety Switch where xxxxx-xx is any number; inverter part number may be followed by a suffix

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note, this Letter Report does not represent authorization for the use of any Intertek certification marks.

Reviewed by:	Howard Liu
Title:	Engineering Team Leader
Signature	
Date:	08/18/2017

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