

NOTICE OF COMPLETION
AND
AUTHORIZATION TO APPLY THE UL MARK



2020-01-30

Ms. Aranjit Sangha
ENPHASE ENERGY INC
1420 N McDowell Blvd
Petaluma, CA, 94954-6515

Our Reference:	File E361165, Vol 2.6	Order:	12879919
Your Reference:	2025284	Project:	4788918901.3
Project Scope:	4788918901.3 - QIKH/QIKH7, new IQ7 series suffix "-E"		

Dear Ms. Aranjit Sangha :

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E361165, Vol 2.

This investigation covered the IQ7 inverter series indicated with suffix "E" for connection options as described on page 2.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site: <http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

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Notice of Authorization
4788918901.3, E361165, Vol 2.6

For the following Enphase Energy Inc microinverter models, the below combinations of DC photovoltaic connectors have been evaluated by UL, LLC for both intermatability and disconnection under load in accordance with the requirements in UL 6703 and CSA-C22.2 No. 182.5 with the indicated electrical ratings.

IQ7-60-E, with additional suffixes IQ7X-96-E, with additional suffixes
IQ7PLUS-72-E, with additional suffixes IQ7A-72-E, with additional suffixes

DC Connector Manufacturer	Connector Model Number	Electrical Ratings
Jiangxi Jinko PV Material Co. Ltd. (Jinko Solar)	PV-JK03M-F/2B (female) PV-JK03M-M/2B (male)	80 Vdc, 12 A#
Longi Green Energy Tech. Co., Ltd.	PV-LR5 (female and male)	80 Vdc, 12 A#
TE Connectivity (Tyco Electronics)	PV4-SF4.0 (Female) PV4-SM4.0 (male)	80 Vdc, 12 A#

-May be used in circuits up to 300 Vdc where not subject to disconnection under load

The AC connectors on all Enphase Energy IQ7 microinverter models have been evaluated for disconnection under load using the following Enphase Energy’s Q cable models with the ratings indicated in accordance with the requirements in UL 6703, CSA-C22.2 No. 182.5 and UL 9703.

Enphase Energy AC Q Cable Models	Electrical Ratings
840-00380 or Q-EXT-12-23 840-00381 or Q-EXT-12-29 840-00387 or Q-12-10-240 or QS-12-10-240 840-00388 or Q-12-17-240 or QS-12-17-240 840-00389 or Q-12-20-200 or QS-12-20-200	277 Vac, 20A

The DC connectors for all other Enphase Energy IQ7 microinverter models not indicated by “E”, use the following Enphase Energy’s Q cable models have been evaluated for disconnection under load with the ratings indicated in accordance with the requirements in UL 6703, CSA-C22.2 No. 182.5 and UL 9703.

Enphase Energy DC Q Cable Models	Electrical Ratings
840-008XX or Q-DCC-X# 840-00386 or Q-DCC-5 840-00385 or Q-DCC-2 840-00485 or Q-DCC-1	100 Vdc, 20 A##

- where XX = 00 to 20 and x = 7 to 27

-May be used in circuits up to 300 Vdc where not subject to disconnection under load