Louisville Gas and Electric Company

P.S.C. Electric No. 11, Original Sheet No. 57.6

Standard Rate Rider **NMS**
Net Metering Service

LEVEL 1

Application for Interconnection and Net Metering

Use this application form only for a generating facility that is inverter based and certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Submit this Application to:

Louisville Gas and Electric Company, Attn: Customer Commitment,
P. O. Box 32010, Louisville, KY 40232

If you have questions regarding this Application or its status, contact LG&E at:

502-627-2202 or customer.commitment@lge-ku.com

Customer Name: [redacted] Account Number: [redacted]

Customer Address: [redacted]

Customer Phone No.: [redacted] Customer E-mail Address: [redacted]

Project Contact Person: [redacted]

Phone No.: Same E-mail Address (Optional): Same

Provide names and contact information for other contractors, installers, or engineering firms involved in the design and installation of the generating facilities: [redacted]

Energy Source: X Solar ___Wind ___Hydro ___Biogas ___Biomass

Inverter Manufacturer and Model #: Enphase IQ 7

Inverter Power Rating: 235-350 Watts input, 240 VA max cont. output Inverter Voltage Rating: 240 VAC Nom. 211-264 VAC range

Power Rating of Energy Source (i.e., solar panels, wind turbine): 285 + 3%/-0% Watts

Is Battery Storage Used: X No ___Yes If Yes, Battery Power Rating: ___

Attach documentation showing that Inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Attach site drawing or sketch showing location of Utility's meter, energy source, ***(optional: Utility accessible disconnect switch)*** and inverter.

Attach single line drawing showing all electrical equipment from the Utility's metering location to the energy source including switches, fuses, breakers, panels, transformers, inverters, energy source, wire size, equipment ratings, and transformer connections.

Expected Start-up Date: 9/21/19

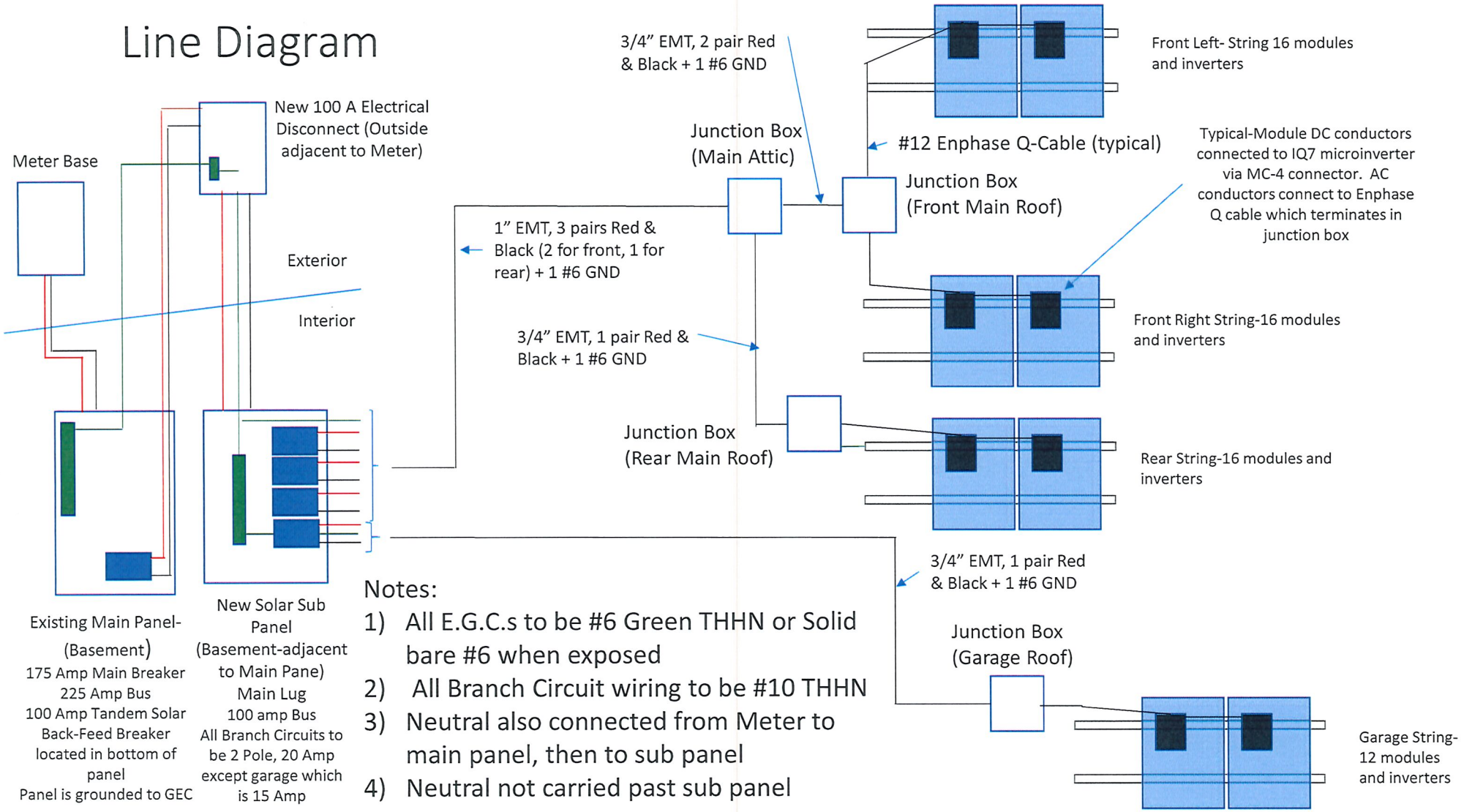
DATE OF ISSUE: July 7, 2017

DATE EFFECTIVE: November 1, 2010

ISSUED BY: /s/ Robert M. Conroy, Vice President
State Regulation and Rates
Louisville, Kentucky

Issued by Authority of an Order of the Public Service Commission in Case No. 2009-00549 dated July 30, 2010 and 2010-00204 dated September 30, 2010

Line Diagram



Existing Main Panel- (Basement)
175 Amp Main Breaker
225 Amp Bus
100 Amp Tandem Solar Back-Feed Breaker located in bottom of panel
Panel is grounded to GEC

New Solar Sub Panel (Basement-adjacent to Main Pane)
Main Lug
100 amp Bus
All Branch Circuits to be 2 Pole, 20 Amp except garage which is 15 Amp

Notes:

1) All E.G.C.s to be #6 Green THHN or Solid bare #6 when exposed
2) All Branch Circuit wiring to be #10 THHN
3) Neutral also connected from Meter to main panel, then to sub panel
4) Neutral not carried past sub panel

CERTIFICATE OF COMPLIANCE

Certificate Number	20180626-E341165
Report Reference	E341165-20171030
Issue Date	2018-June-26

Issued to: Enphase Energy Inc.
1420 N. McDowell Blvd. Petaluma, CA 94954-6515

This is to certify that representative samples of Photovolic Grid Support Utility Interactive Inverter with Rapid Shutdown Functionality

Models IQ7-60, IQ7PLUS-72, and IQ7X-96, followed by -2, -5, -B, or -ACM, followed by -US.

Models IQ7PD-72-2-US and IQ7PD-84-2-US.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 1741, Standard for Safety for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741, Second Edition, dated January 28, 2010. Including the requirements in UL 1741 Supplement SA, sections as noted in the Technical considerations.

IEEE 1547, IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems.

IEEE 1547.1, IEEE Standard for Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems.

UL 62109-1, Safety of Converters for Use in Photovoltaic Power Systems - Part 1: General Requirements; IEC 62109-2, Safety of Power Converters for use in Photovoltaic Power Systems - Part 2: Particular Requirements for Inverters.

CSA C22.2 No. 107.1-01, General Use Power Supplies.

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20180626-E341165
Report Reference	E341165-20171030
Issue Date	2018-June-26

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standards for Safety:

UL 1741, Standard for Safety for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources, UL 1741, Second Edition, dated January 28, 2010. Including the requirements in UL 1741 Supplement SA, sections as noted in the Technical considerations.

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CSA C22.2 No. 107.1-01, General Use Power Supplies.

Bruce Mahrenholz, Director North American Certification Program

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