Norwich Public Utilities

Attachment 1

# Interconnection Application
# For
# Category 1 Generators – 20 kW and Less

To submit an application to interconnect a Category 1 Generating Facility (20 kW or less, inverter-based, UL 1741 listed) please fill out this application form down to the space for your signature. Once complete, please sign and attach any documentation provided by the Generator manufacturer describing the UL 1741 listing for the Generating Facility.

1. Generator contact information (who will be legally responsible for the Generating Facility).

   Company:_____N/A_____

   Representative:___Tom Smith_____Title:_____Homeowner_____

   Street Address:___123 Broad Street_____

   Mailing Address (if different): _____

   E-mail Address:___tomsmith@email.com_____

   Telephone Number:___860-555-5555_____Fax Number:___860-555-0000_____

   Responsible party's name and contact information in case of emergency (provide day, evening and weekend contact information:_Tom Smith, (day) 860-555-5555 (evening/weekend) 860-111-1111

   Electric Service Account Number:___500000-100000_____

2. Installing Electrical Contractor Information.

   Company:___Sun Solar, LLC_____

   Representative: _John Daniels_____License Number:___0123456-E1_____

   Street Address:___123 Sun Street_____

   Mailing Address (if different): _____

   E-mail Address:____JDSunSolar@email.com_____

   Telephone Number:___860-555-1111_____Fax Number:___860-555-2222_____

3. Requested In Service Date:____1/1/2023_____

4. Generating Facility / Inverter Information

   Manufacturer: _Solar Products Inc_____

   Model No.__123456_____Version No.____1_____Serial No. _112233___

   Generating Facility Type:
   Single Phase__X____Three Phase _____
   Synchronous_____Induction_____DC_____Other _____

   Nameplate AC Rating:___5.0_____kW or_____kVA

   Generating Facility / Inverter AC output voltage:_____240_____Volts

   Rated Current:_____30_Amps

   Prime Mover:
   Photovoltaic _x__Reciprocating Engine___Fuel Cell____Turbine___Other_____

   Energy Source:
   Solar_x___Wind____Hydo____Diesel____Natural Gas____Fuel Oil____Other____

   UL 1741 Listed? Yes__x_____No _____

   System cost (pre-tax) ___$30,000_____
   Provide Single Line Diagram of Interconnection and Site Plan (attach)

5. Liability Insurance: Send us your certificate of liability insurance.

   Carrier:_____Insurance Company_____

   Limits:___$500,000_____

   Agent Name & Address: __Mary Jones, 123 Main Street, Norwich, CT 06360_____

6. Other Comments, Specifications and Exceptions (attach additional pages if required):

_____
_____
_____
_____

7. Generator Signature (Attach manufacturer's certification of UL 1741 compliance and sign here)

   I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and correct, and I agree to the Terms and Conditions as described within the Interconnection Agreement attached hereto.

   Generator Signature:___Tom Smith_____Date:__1/1/22_____

Submit this form along with all required documentation to efficiencymatters@npumail.com

powered by Q.ANTUM DUO

# Q.PEAK DUO BLK-G6+

## 330-345

ENDURING HIGH PERFORMANCE

### THE IDEAL SOLUTION FOR:

Rooftop arrays on residential buildings

### Q.ANTUM TECHNOLOGY: LOW LEVELIZED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.5%.

### INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.

### ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID and Anti PID Technology[1], Hot-Spot Protect and Traceable Quality Tra.Q™.

### EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).

### A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty[2].

### STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology.

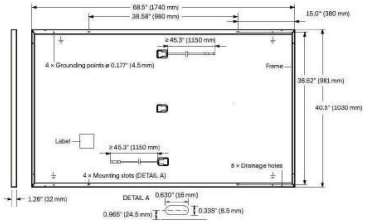
[1] APT test conditions according to IEC/TS 62804-1:2015, method B (−1500 V, 168 h)
[2] See data sheet on rear for further information

Engineered in Germany

Q CELLS

## MECHANICAL SPECIFICATION

| | |
|---|---|
| Format | 68.5 × 40.6 × 1.26 in (including frame) (1740 × 1030 × 32 mm) |
| Weight | 43.9 lbs (19.9 kg) |
| Front Cover | 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology |
| Back Cover | Composite film |
| Frame | Black anodized aluminum |
| Cell | 6 × 20 monocrystalline Q.ANTUM solar half cells |
| Junction Box | 2.09-3.98 × 1.26-2.36 × 0.59-0.71 in (53-101 × 32-60 × 15-18 mm), Protection class IP67, with bypass diodes |
| Cable | 4 mm² Solar cable; (+) ≥45.3 in (1150 mm), (−) ≥45.3 in (1150 mm) |
| Connector | Stäubli MC4, Hanwha Q CELLS HQC4, Amphenol UTX, Renhe 05-6, Tongling TL-Cable01S, JMTHY JM601; IP68 or Friends PV2e; IP67 |

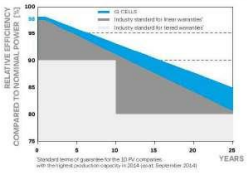



## ELECTRICAL CHARACTERISTICS

| POWER CLASS | | | | 330 | 335 | 340 | 345 |
|---|---|---|---|---|---|---|---|
| MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC[1] (POWER TOLERANCE +5 W / −0 W) | | | | | | | |
| Minimum | Power at MPP[1] | $P_{MPP}$ | [W] | 330 | 335 | 340 | 345 |
| Minimum | Short Circuit Current[1] | $I_{SC}$ | [A] | 10.41 | 10.47 | 10.52 | 10.58 |
| Minimum | Open Circuit Voltage[1] | $V_{OC}$ | [V] | 40.15 | 40.41 | 40.66 | 40.92 |
| Minimum | Current at MPP | $I_{MPP}$ | [A] | 9.91 | 9.97 | 10.02 | 10.07 |
| Minimum | Voltage at MPP | $V_{MPP}$ | [V] | 33.29 | 33.62 | 33.94 | 34.25 |
| Minimum | Efficiency[1] | η | [%] | ≥18.4 | ≥18.7 | ≥19.0 | ≥19.3 |
| MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT[2] | | | | | | | |
| Minimum | Power at MPP | $P_{MPP}$ | [W] | 247.0 | 250.7 | 254.5 | 258.2 |
| Minimum | Short Circuit Current | $I_{SC}$ | [A] | 8.39 | 8.43 | 8.48 | 8.52 |
| Minimum | Open Circuit Voltage | $V_{OC}$ | [V] | 37.86 | 38.10 | 38.34 | 38.59 |
| Minimum | Current at MPP | $I_{MPP}$ | [A] | 7.80 | 7.84 | 7.89 | 7.93 |
| Minimum | Voltage at MPP | $V_{MPP}$ | [V] | 31.66 | 31.97 | 32.27 | 32.57 |

[1] Measurement tolerances $P_{MPP}$ ±3%; $I_{SC}$; $V_{OC}$ ±5% at STC: 1000 W/m², 25±2 °C, AM 1.5 according to IEC 60904-3 • [2] 800 W/m², NMOT, spectrum AM 1.5

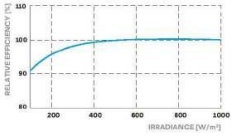
### Q CELLS PERFORMANCE WARRANTY




At least 98% of nominal power during first year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organization of your respective country.

### PERFORMANCE AT LOW IRRADIANCE




Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m²)

### TEMPERATURE COEFFICIENTS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Temperature Coefficient of $I_{SC}$ | α | [%/K] | +0.04 | Temperature Coefficient of $V_{OC}$ | β | [%/K] | −0.27 |
| Temperature Coefficient of $P_{MPP}$ | γ | [%/K] | −0.36 | Normal Module Operating Temperature | NMOT | [°F] | 109±5.4 (43±3 °C) |

## PROPERTIES FOR SYSTEM DESIGN

| | | | | |
|---|---|---|---|---|
| Maximum System Voltage $V_{SYS}$ | [V] | 1000 (IEC) / 1000 (UL) | Safety Class | II |
| Maximum Series Fuse Rating | [A DC] | 20 | Fire Rating based on ANSI / UL 1703 | C (IEC) / TYPE 2 (UL) |
| Max. Design Load, Push / Pull[3] | [lbs / ft²] | 75 (3600 Pa) / 55 (2667 Pa) | Permitted Module Temperature on Continuous Duty | −40 °F up to +185 °F (−40 °C up to +85 °C) |
| Max. Test Load, Push / Pull[3] | [lbs / ft²] | 113 (5400 Pa) / 84 (4000 Pa) | | |

[3] See Installation Manual

## QUALIFICATIONS AND CERTIFICATES

UL 1703, VDE Quality Tested, CE-compliant, IEC 61215:2016, IEC 61730:2016, Application Class II, U.S. Patent No. 9,893,215 (solar cells)

## PACKAGING INFORMATION

| | |
|---|---|
| Number of Modules per Pallet | 32 |
| Number of Pallets per 53' Trailer | 28 |
| Number of Pallets per 40' HC-Container | 24 |
| Pallet Dimensions (L × W × H) | 71.5 × 45.3 × 48.0 in (1815 × 1150 × 1220 mm) |
| Pallet Weight | 1505 lbs (683 kg) |

**Note:** Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.


**Hanwha Q CELLS America Inc.**
400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | **TEL** +1 949 748 59 96 | **EMAIL** inquiry@us.q-cells.com | **WEB** www.q-cells.us



Specifications subject to technical changes © Q CELLS Q.PEAK DUO BLK-G6+_330-345_2019-06_Rev01_NA

# Single Phase Inverter with HD-Wave Technology

## for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US

INVERTERS


### Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020 per article 690.11 and 690.12
- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional: Faster installations with built-in consumption metering (1% accuracy) and production revenue grade metering (0.5% accuracy, ANSI C12.20)

solaredge.com

solaredge


# Single Phase Inverter with HD-Wave Technology

## for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US


| MODEL NUMBER | SE3000H-US | SE3800H-US | SE5000H-US | SE6000H-US | SE7600H-US | SE10000H-US | SE11400H-US | |
|---|---|---|---|---|---|---|---|---|
| APPLICABLE TO INVERTERS WITH PART NUMBER | SEXXXXH-XXXXXBXX4 | | | | | | | |
| **OUTPUT** | | | | | | | | |
| Rated AC Power Output | 3000 | 3800 @ 240V<br>3300 @ 208V | 5000 | 6000 @ 240V<br>5000 @ 208V | 7600 | 10000 | 11400 @ 240V<br>10000 @ 208V | VA |
| Maximum AC Power Output | 3000 | 3800 @ 240V<br>3300 @ 208V | 5000 | 6000 @ 240V<br>5000 @ 208V | 7600 | 10000 | 11400 @ 240V<br>10000 @ 208V | VA |
| AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Vac |
| AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229) | - | ✓ | - | ✓ | - | - | ✓ | Vac |
| AC Frequency (Nominal) | 59.3 - 60 - 60.5(1) | | | | | | | Hz |
| Maximum Continuous Output Current @240V | 12.5 | 16 | 21 | 25 | 32 | 42 | 47.5 | A |
| Maximum Continuous Output Current @208V | - | 16 | - | 24 | - | - | 48.5 | A |
| Power factor | 1, Adjustable - 0.85 to 0.85 | | | | | | | |
| GFDI Threshold | 1 | | | | | | | A |
| Utility Monitoring, Islanding Protection, Country Configurable Thresholds | Yes | | | | | | | |
| **INPUT** | | | | | | | | |
| Maximum DC Power @240V | 4650 | 5900 | 7750 | 9300 | 11800 | 15500 | 17650 | W |
| Maximum DC Power @208V | - | 5100 | - | 7750 | - | - | 15500 | W |
| Transformer-less, Ungrounded | Yes | | | | | | | |
| Maximum Input Voltage | 480 | | | | | | | Vdc |
| Nominal DC Input Voltage | 380 | | | | 400 | | | Vdc |
| Maximum Input Current @240V(2) | 8.5 | 10.5 | 13.5 | 16.5 | 20 | 27 | 30.5 | Adc |
| Maximum Input Current @208V(2) | - | 9 | - | 13.5 | - | - | 27 | Adc |
| Max. Input Short Circuit Current | 45 | | | | | | | Adc |
| Reverse-Polarity Protection | Yes | | | | | | | |
| Ground-Fault Isolation Detection | 600kΩ Sensitivity | | | | | | | |
| Maximum Inverter Efficiency | 99 | 99.2 | | | | | | % |
| CEC Weighted Efficiency | 99 | | | | | | 99 @ 240V<br>98.5 @ 208V | % |
| Nighttime Power Consumption | < 2.5 | | | | | | | W |

(1) For other regional settings please contact SolarEdge support
(2) A higher current source may be used; the inverter will limit its input current to the values stated

# Single Phase Inverter with HD-Wave Technology

## for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/
SE7600H-US / SE10000H-US / SE11400H-US

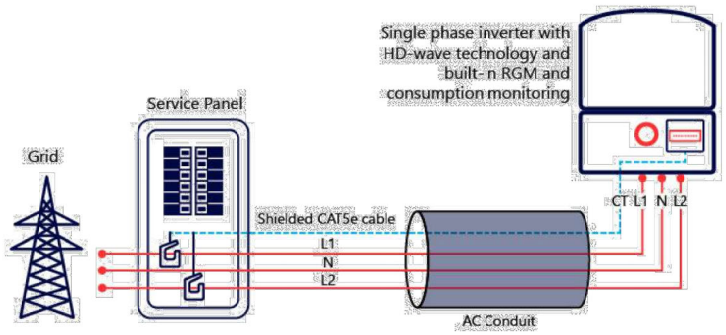
| MODEL NUMBER | SE3000H-US | SE3800H-US | SE5000H-US | SE6000H-US | SE7600H-US | SE10000H-US | SE11400H-US | |
|---|---|---|---|---|---|---|---|---|
| **ADDITIONAL FEATURES** | | | | | | | | |
| Supported Communication Interfaces | RS485, Ethernet, ZigBee (optional), Cellular (optional) | | | | | | | |
| Revenue Grade Metering, ANSI C12.20 | Optional[3] | | | | | | | |
| Consumption metering | | | | | | | | |
| Inverter Commissioning | With the SetApp mobile application using Built-in Wi-Fi Access Point for Local Connection | | | | | | | |
| Rapid Shutdown - NEC 2014, NEC 2017 and NEC 2020, 690.12 | Automatic Rapid Shutdown upon AC Grid Disconnect | | | | | | | |
| **STANDARD COMPLIANCE** | | | | | | | | |
| Safety | UL1741, UL1741 SA, UL1699B, CSA C22.2, Canadian AFCI according to T.I.L. M-07 | | | | | | | |
| Grid Connection Standards | IEEE1547, Rule 21, Rule 14 (HI) | | | | | | | |
| Emissions | FCC Part 15 Class B | | | | | | | |
| **INSTALLATION SPECIFICATIONS** | | | | | | | | |
| AC Output Conduit Size / AWG Range | 1" Maximum / 14-6 AWG | | | | | 1" Maximum /14-4 AWG | | |
| DC Input Conduit Size / # of Strings / AWG Range | 1" Maximum / 1-2 strings / 14-6 AWG | | | | | 1" Maximum / 1-3 strings / 14-6 AWG | | |
| Dimensions with Safety Switch (HxWxD) | 17.7 x 14.6 x 6.8 / 450 x 370 x 174 | | | | | 21.3 x 14.6 x 7.3 / 540 x 370 x 185 | | in / mm |
| Weight with Safety Switch | 22 / 10 | | 25.1 / 11.4 | | 26.2 / 11.9 | 38.8 / 17.6 | | lb / kg |
| Noise | < 25 | | | | <50 | | | dBA |
| Cooling | Natural Convection | | | | | | | |
| Operating Temperature Range | -40 to +140 / -40 to +60[4] | | | | | | | °F / °C |
| Protection Rating | NEMA 4X (Inverter with Safety Switch) | | | | | | | |

(3) Inverter with Revenue Grade Meter P/N: S1xxxxH-US000BNC4; Inverter with Revenue Grade Production and Consumption Meter P/N: S1xxxxH-US000BNI4 . For consumption metering, current transformers should be ordered separately: SEACT0750-200NA-20 or SEACT0750-400NA-20. 20 units per box

(4) Full power up to at least 50°C / 122°F; for power de-rating information refer to: https://www.solaredge.com/sites/default/files/se-temperature-derating-note-na.pdf

## How to Enable Consumption Monitoring

By simply wiring current transformers through the inverter's existing AC conduits and connecting them to the service panel, homeowners will gain full insight into their household energy usage helping them to avoid high electricity bills

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RoHS

# Power Optimizer

## For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505


POWER OPTIMIZER

## PV power optimization at the module-level

- Specifically designed to work with SolarEdge inverters
- Up to 25% more energy
- Superior efficiency (99.5%)
- Mitigates all types of module mismatch losses, from manufacturing tolerance to partial shading
- Flexible system design for maximum space utilization
- Fast installation with a single bolt
- Next generation maintenance with module-level monitoring
- Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System (PVRSS)
- Module-level voltage shutdown for installer and firefighter safety

solaredge.com

solaredge

# Power Optimizer

## For North America

P320 / P340 / P370 / P400 / P401 / P405 / P485 / P505

| Optimizer model (typical module compatibility) | P320 (for 60-cell modules) | P340 (for high-power 60-cell modules) | P370 (for higher-power 60 and 72-cell modules) | P400 (for 72 & 96-cell modules) | P401 (for high power 60 and 72 cell modules) | P405 (for high-voltage modules) | P485 (for high-voltage modules) | P505 (for higher current modules) | |
|---|---|---|---|---|---|---|---|---|---|
| **INPUT** | | | | | | | | | |
| Rated Input DC Power[1] | 320 | 340 | 370 | 400 | | 405 | 485 | 505 | W |
| Absolute Maximum Input Voltage (Voc at lowest temperature) | 48 | | 60 | 80 | 60 | 125[2] | | 83[2] | Vdc |
| MPPT Operating Range | 8 - 48 | | 8 - 60 | 8 - 80 | 8-60 | 12.5 - 105 | | 12.5 - 83 | Vdc |
| Maximum Short Circuit Current (Isc) | 11 | | | 10.1 | 11.75 | 11 | | 14 | Adc |
| Maximum DC Input Current | 13.75 | | | 12.5 | 14.65 | 12.5 | | 17.5 | Adc |
| Maximum Efficiency | 99.5 | | | | | | | | % |
| Weighted Efficiency | 98.8 | | | | | | | 98.6 | % |
| Overvoltage Category | II | | | | | | | | |
| **OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREDGE INVERTER)** | | | | | | | | | |
| Maximum Output Current | 15 | | | | | | | | Adc |
| Maximum Output Voltage | 60 | | | | | 85 | | | Vdc |
| **OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)** | | | | | | | | | |
| Safety Output Voltage per Power Optimizer | 1 ± 0.1 | | | | | | | | Vdc |
| **STANDARD COMPLIANCE** | | | | | | | | | |
| EMC | FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 | | | | | | | | |
| Safety | IEC62109-1 (class II safety), UL1741 | | | | | | | | |
| Material | UL94 V-0 , UV Resistant | | | | | | | | |
| RoHS | Yes | | | | | | | | |
| **INSTALLATION SPECIFICATIONS** | | | | | | | | | |
| Maximum Allowed System Voltage | 1000 | | | | | | | | Vdc |
| Compatible inverters | All SolarEdge Single Phase and Three Phase inverters | | | | | | | | |
| Dimensions (W x L x H) | 129 x 153 x 27.5 / 5.1 x 6 x 1.1 | | | 129 x 153 x 33.5 / 5.1 x 6 x 1.3 | 129 x 153 x 29.5 /5.1 x 6 x 1.16 | 129 x 159 x 49.5 / 5.1 x 6.3 x 1.9 | | 129 x 162 x 59 / 5.1 x 6.4 x 2.3 | mm / in |
| Weight (including cables) | 630 / 1.4 | | | 750 / 1.7 | 655 / 1.5 | 845 / 1.9 | | 1064 / 2.3 | gr / lb |
| Input Connector | MC4[3] | | | | | | Single or dual MC4[3][4] | MC4[3] | |
| Input Wire Length | 0.16 / 0.52 | | | | | | | | m / ft |
| Output Wire Type / Connector | Double Insulated / MC4 | | | | | | | | |
| Output Wire Length | 0.9 / 2.95 | | 1.2 / 3.9 | | | | | | m / ft |
| Operating Temperature Range[5] | -40 - +85 / -40 - +185 | | | | | | | | °C / °F |
| Protection Rating | IP68 / NEMA6P | | | | | | | | |
| Relative Humidity | 0 - 100 | | | | | | | | % |

(1) Rated power of the module at STC will not exceed the optimizer "Rated Input DC Power". Modules with up to +5% power tolerance are allowed
(2) NEC 2017 requires max input voltage be not more than 80V
(3) For other connector types please contact SolarEdge
(4) For dual version for parallel connection of two modules use P485-4NMDMRM. In the case of an odd number of PV modules in one string, installing one P485 dual version power optimizer connected to one PV module. When connecting a single module seal the unused input connectors with the supplied pair of seals.
(5) For ambient temperature above +85°C / +185°F power de-rating is applied. Refer to Power Optimizers Temperature De-Rating Technical Note for more details.

| PV System Design Using a SolarEdge Inverter[6][7] | | Single Phase HD-Wave | Single phase | Three Phase for 208V grid | Three Phase for 277/480V grid | |
|---|---|---|---|---|---|---|
| Minimum String Length (Power Optimizers) | P320, P340, P370, P400, P401 | 8 | | 10 | 18 | |
| | P405, P485, P505 | 6 | | 8 | 14 | |
| Maximum String Length (Power Optimizers) | | 25 | | 25 | 50[8] | |
| Maximum Power per String | | 5700 (6000 with SE7600-US - SE11400-US) | 5250 | 6000[9] | 12750[10] | W |
| Parallel Strings of Different Lengths or Orientations | | Yes | | | | |

(6) For detailed string sizing information refer to: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf
(7) It is not allowed to mix P405/P485/P505 with P320/P340/P370/P400/P401 in one string
(8) A string with more than 30 optimizers does not meet NEC rapid shutdown requirements; safety voltage will be above the 30V requirement
(9) For 208V grid: it is allowed to install up to 6,500W per string when the maximum power difference between each string is 1,000W
(10) For 277/480V grid: it is allowed to install up to 15,000W per string when the maximum power difference between each string is 2,000W

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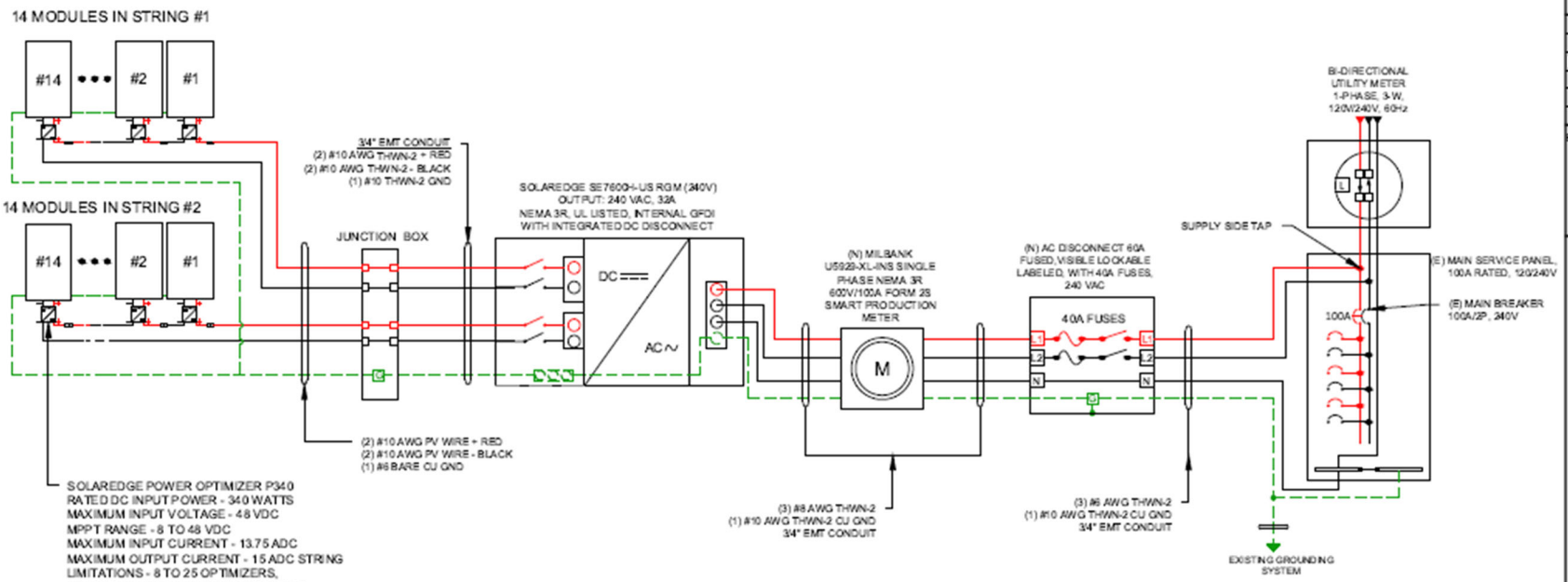
Intertek RoHS

(28) HANWHA Q CELLS Q.PEAK BLK-G6+ (340W) MODULES
(28) SOLAREDGE (P340) POWER OPTIMIZERS
(02) STRINGS OF 14 MODULES CONNECTED IN SERIES PER STRING.

SYSTEM SIZE: 00 x 000W = 0.00 kWDC

CONDUCTOR AMPACITY DE-RATE CALCULATION

| LOCATION | WIRE LOCATION | CONDUCTOR QUANTITY | CIRCUIT CONDUCTOR SIZE | NEC FACTORS TABLE 310.15(16) ALLOWABLE AMPACITY | NEC FACTORS TABLE 310.15(B)(1) AMBIENT TEMPERATURE CORRECTION | ADJ. CONDUCTOR AMPACITY @ 90°C | CONDUIT FILL CORRECTION PER 310.15(C)(1) |
|---|---|---|---|---|---|---|---|
| MODULE TO OPTIMIZER | × | × | × | × | × | × | × |
| OPTIMIZER TO JUNCTION BOX (PER STRING) | × | × | × | × | × | × | × |
| JUNCTION BOX TO INVERTER | × | × | × | × | × | × | × |
| INVERTER TO AC DISCONNECT | × | × | × | × | × | × | × |
| AC DISCONNECT TO POI | × | × | × | × | × | × | × |




NOTES:

ELECTRICAL LINE DIAGRAM
SCALE: NTS

SOLAR INSTALLER

VERSION

| DESCRIPTION | DATE | REV |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

ELECTRICAL CONTRACTOR NO:

CUSTOMER / PROJECT INFORMATION

SHEET NAME
ELECTRICAL LINE DIAGRAM

SHEET SIZE
8.5 X 11

SHEET NUMBER
123

| **Insurance, Co.**<br>123 Main Street<br>Norwich, CT 06360 | **Homeowners Policy Declarations** |
|---|---|

**Named Insured and Mailing Address**

Tom Smith
123 Broad Street
Norwich, CT 06360

| | |
|---|---|
| Policy Number: | 000001 |
| Policy Type: | Homeowners |

**Sales Rep Name and Address**

Mary Jones
123 Main Street
Norwich, CT 06360

**Location of Insured Property**

123 Broad Street, Norwich CT 06360

| Policy Period | | |
|---|---|---|
| From: | To: | Standard Time: |
| | | |

**Additional Named Insured(s)**

**Coverages and Limits of Liability**

Insurance is provided only with respect to the following coverages for which a specific limit of liability is shown. Subject to all conditions of this policy.

| Section I | | | | Section II | |
|---|---|---|---|---|---|
| A | B | C | D | E | F |
| Dwelling | Other Structures | Personal Property | Loss of Use | Personal Liability Each Occurrence | Medical Payments to Others |
| | | | | | |

| **Deductible** (In case of loss under Section I, we cover only that part of the loss over the deductible(s)) |
|---|
| |

**Discount Information**

| Discount Category | Discounts Applied | Savings |
|---|---|---|
| | | |

**Your Discounts Saved You:**

**Forms and Endorsements** (Additional policy endorsements, if any, will be shown on page 2 of this Declarations.)

| Number/Edition | Forms and Endorsements Made Part of this Policy | Limit (if applicable) | Premium |
|---|---|---|---|
| 001 002 003 | Homeowners Policy | | Included |

| | |
|---|---|
| Base Policy Premium: | |
| Endorsement Premium: | |
| **Total Premium:** | |