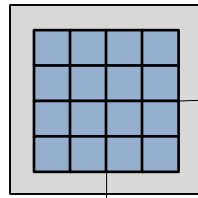


PV array: (5) 330-watt CS6U-P modules



PV module (typical)
 (5) CS6U-P 330-watt
 Voc of PV module = 45.6 VDC
 Max. array DC Voltage = 273.6 V
 Max. current of PV source circuit = 14.77 A
 Min. rated ampacity of conductor = 33.6 A

PV source circuits
 Integral module leads connect to PV-Links
 DC+ / DC-

(1) Pika S2501
 PV-link DC optimizer with
 rapid shutdown control.

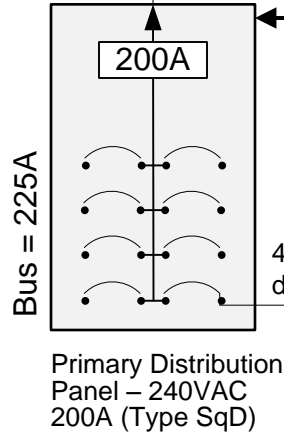
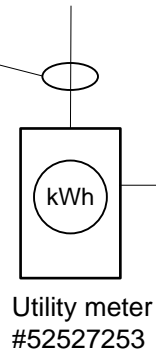
Rooftop j-box
 NEMA 3R

Inverter DC input circuit
 (1) Aluminum-sheath AWG#10/2 MC
 plus AWG#10 GND

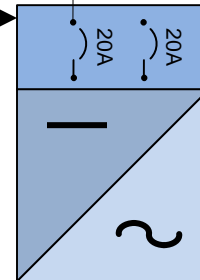
PV source circuits
 (2) AWG#12 PV wire +
 AWG#6 GND bare
 3/4" SCH-80 PVC raceway

Single-phase
 electrical
 distribution Grid

Main Utility Service



Locate inverter within
 sight of main svc
 panel, and no greater
 than 50' distance



Inverter output circuit
 (3) AWG#8 THHN + AWG#10 GND



Solar GTPV System – One line digram

48 Hancock Street, Portland, Maine 04101

DRAWN BY:
 WR Kessler; certification No. PV 032611-169

DATE:
 8 March 2017

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