



# TITAN

## SOLAR POWER

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Customer Name	Address	Date	Phone
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**20A 2-Pole Square-D Type QO Breaker Required**

### SOLAR PV OVERVIEW

PV Array:	4.8 kW-DC
Inverter(s):	3.8 kW-AC - 42A
AC Utility:	240 VAC - 60 Hz

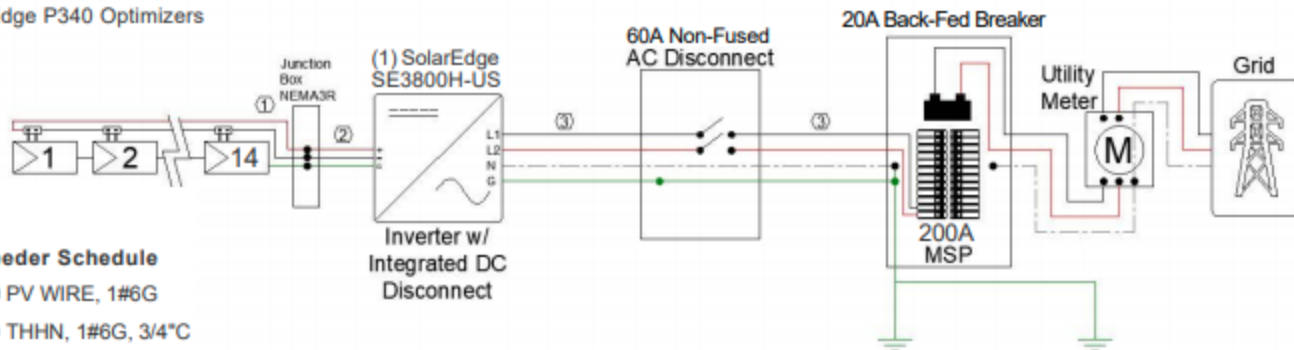
### MODULE SPECIFICATIONS

Panels	(14) Silfab Solar SIL-340 NL
STC Rating	340 W
Vmp	33 V
Imp	9 A
Voc	40 V
Isc	10 A

### INVERTER SPECIFICATIONS

Inverter(s)	(1) SolarEdge SE3800H-US
Max AC Power	3.8 kW-AC
Max Input Voltage	480 V
Min AC Power	0 W
Min Input Voltage	340 V

- (14) Silfab Solar SIL-340 NL  
(14) SolarEdge P340 Optimizers



### Feeder Schedule

- 2#10 PV WIRE, 1#6G
- 2#10 THHN, 1#6G, 3/4" C
- 3#6 THHN, 1#6G, 3/4" C

### THREE-LINE DIAGRAM

### GROUNDING NOTES

1	ALL EQUIPMENT SHALL BE PROPERLY GROUNDED PER THE REQUIREMENTS OF NEC ARTICLES 250 & 690
2	PV MODULES SHALL BE GROUNDED TO MOUNTING RAILS USING MODULE LUGS OR RACKING INTEGRATED GROUNDING CLAMPS AS ALLOWED BY LOCAL JURISDICTION. ALL OTHER EXPOSED METAL PARTS SHALL BE GROUNDED USING UL-LISTED LAY-IN LUGS
3	GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE
4	IF THE EXISTING MAIN SERVICE PANEL DOES NOT HAVE A VERIFIABLE GROUNDING ELECTRODE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL A SUPPLEMENTAL GROUNDING ELECTRODE
5	AC SYSTEM GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE A MINIMUM SIZE #6 AWG WHEN INSULATED, #6 AWG IF BARE WIRE
6	EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED ACCORDING TO NEC ARTICLE 690.45, AND BE A MINIMUM OF #10 AWG WHEN NOT EXPOSED TO DAMAGE, AND #6 AWG SHALL BE USED WHEN EXPOSED TO DAMAGE
7	GROUNDING AND BONDING CONDUCTORS, IF INSULATED, SHALL BE COLOR CODED GREEN, OR MARKED GREEN IF #4 AWG OR LARGER