

Project:

17.6kW Canadian Solar Kit
 Wednesday, June 29, 2016 10:00 PM

Location:

San Francisco, California, United States

System data:

Installed power: 17.60 kWp
 Max achieved DC power: 18.02 kW
 Inverter active power: 15.20 kW
 Maximum apparent power: 15.20 kVA

PV Array # 1: PV Array # 1

Tilt	Azimuth	Mounting
29°	180°	Co-planar with roof
Canadian Solar, CS6K-275M, 275.00 W		

Inverter design

Inverters 1-2: SE7600A-US
 Strings 1-2: PV Array # 1: 16 x P300

Power optimizer extreme operating conditions

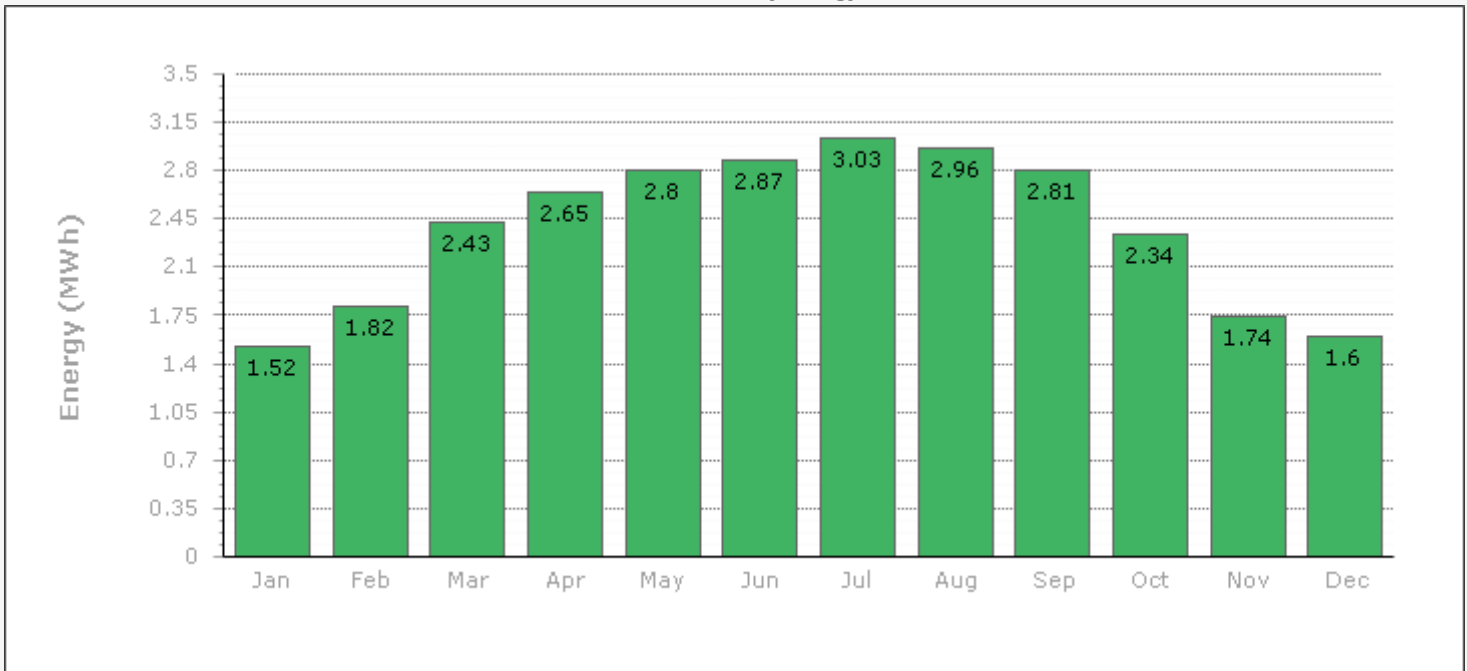
P300

	Calculated	Limit	
Max input power	275 W	300 W	✓
Min input voltage	30 V	8 V	✓
Max input voltage	43 V	48 V	✓
Max input current	10 A	10 A	✓
Max output current	13 A	15 A	✓

* Calculated values are the absolute min/max of all arrays using this power optimizer configuration.

Energy estimation

Estimated monthly energy



Estimated yearly energy: 28.580 MWh

Energy yields are an approximation; they are not guaranteed by SolarEdge.

Bill of Materials

Inverters: SE7600A-US002NNU2, quantity: 2

Optimizers: P300-5NC4ARS, quantity: 64