

**Project:**

LANG 4114  
14 May 2018 08:32

**Location:**

London, United Kingdom

**System data:**

Installed power: 36.00 kWp  
 Max achieved DC power: 29.88 kW  
 Inverter active power: 32.00 kW  
 Maximum apparent power: 32.00 kVA

**PV Array # 1: PV Array # 1**

Tilt	Azimuth	Mounting
10°	20°	Free Standing
LG Neon, LG360Q1CA5, 360.00 W		

**Inverter design**

Inverters 1-2: SE16k

- String 1: PV Array # 1: 13 x P800s (1 parallel / 2 series)
- String 2: PV Array # 1: 12 x P800s (1 parallel / 2 series)

**Power optimizer extreme operating conditions**

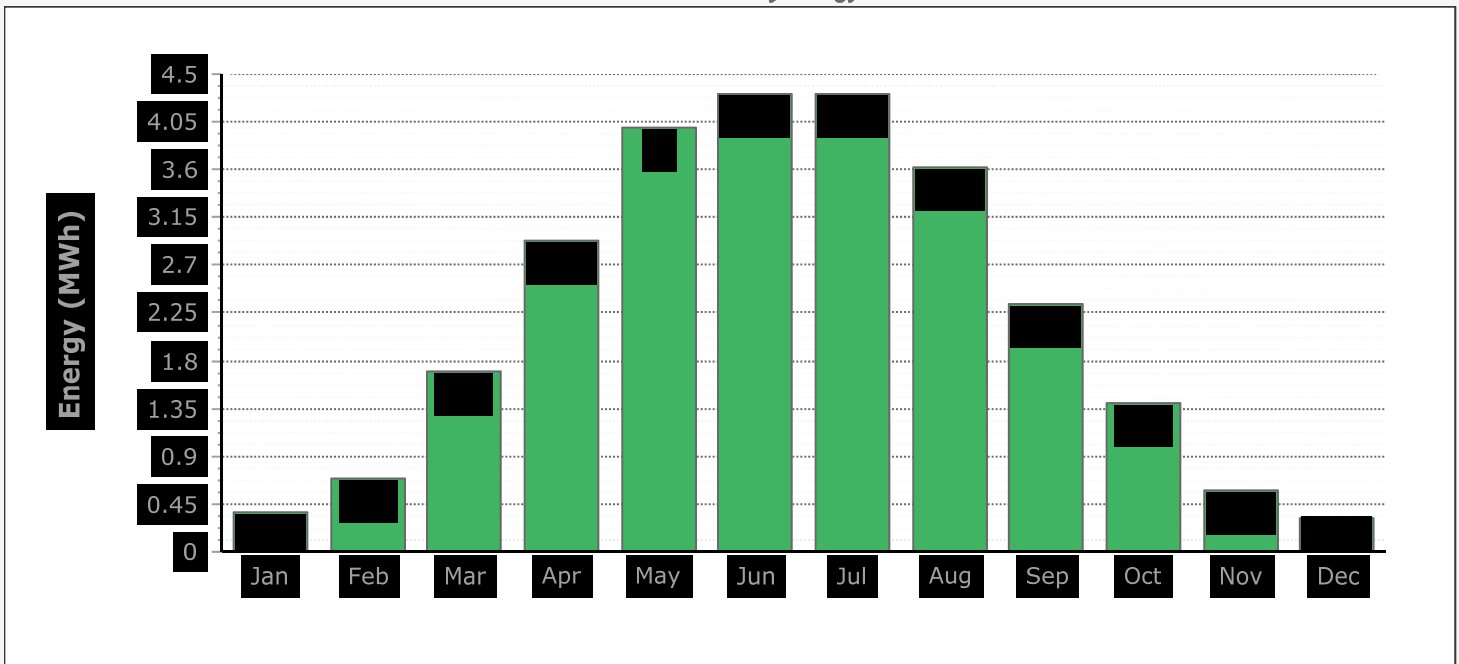
P800s (1 parallel / 2 series)

	Calculated	Limit	
Max input power	720 W	800 W	✓
Min input voltage	77 V	13 V	✓
Max input voltage	94 V	120 V	✓
Max input current	11 A	13 A	✓
Max output current	10 A	18 A	✓

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

## Energy estimation

Estimated monthly energy



Estimated yearly energy: 26.614 MWh

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

## Bill of Materials

Inverters: SE16k, quantity: 2

Optimizers: P800S-5RM4MRX, quantity: 50