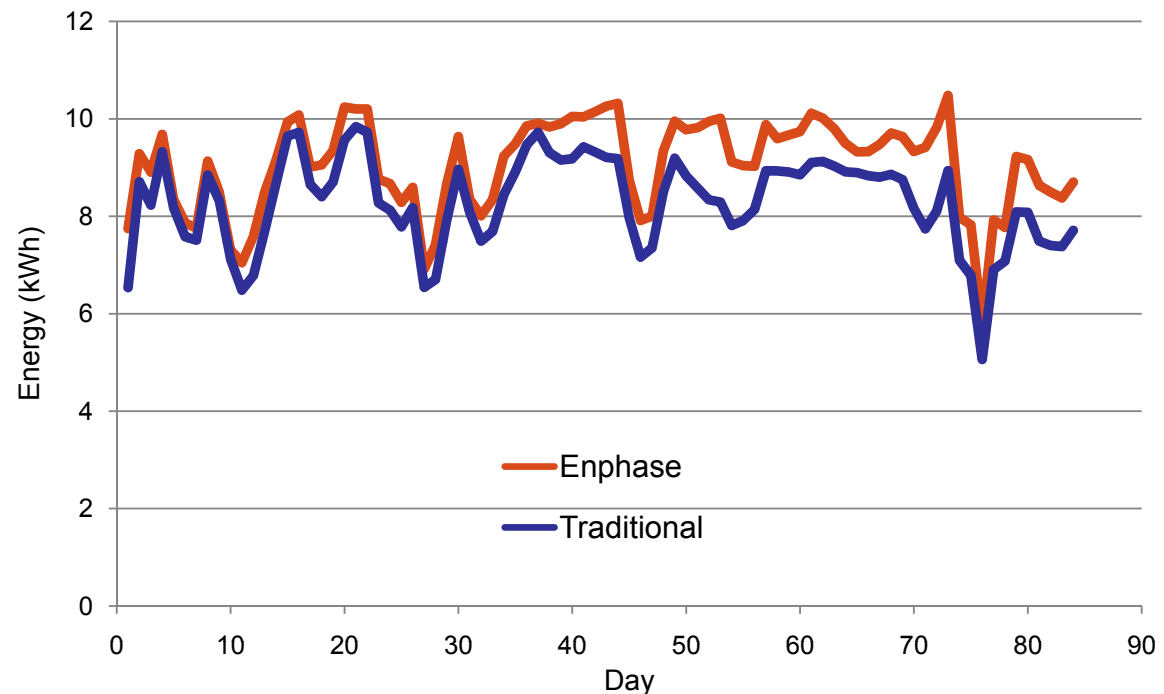


Site #1: Energy Production Comparison

Enphase vs. Traditional String Inverter



- ⇒ Installation in Petaluma, CA
- ⇒ 24 Suntech 175W modules in checker board pattern
- ⇒ Traditional string inverter
 - CEC efficiency – 94.5%
- ⇒ *Independent meter – 1%*



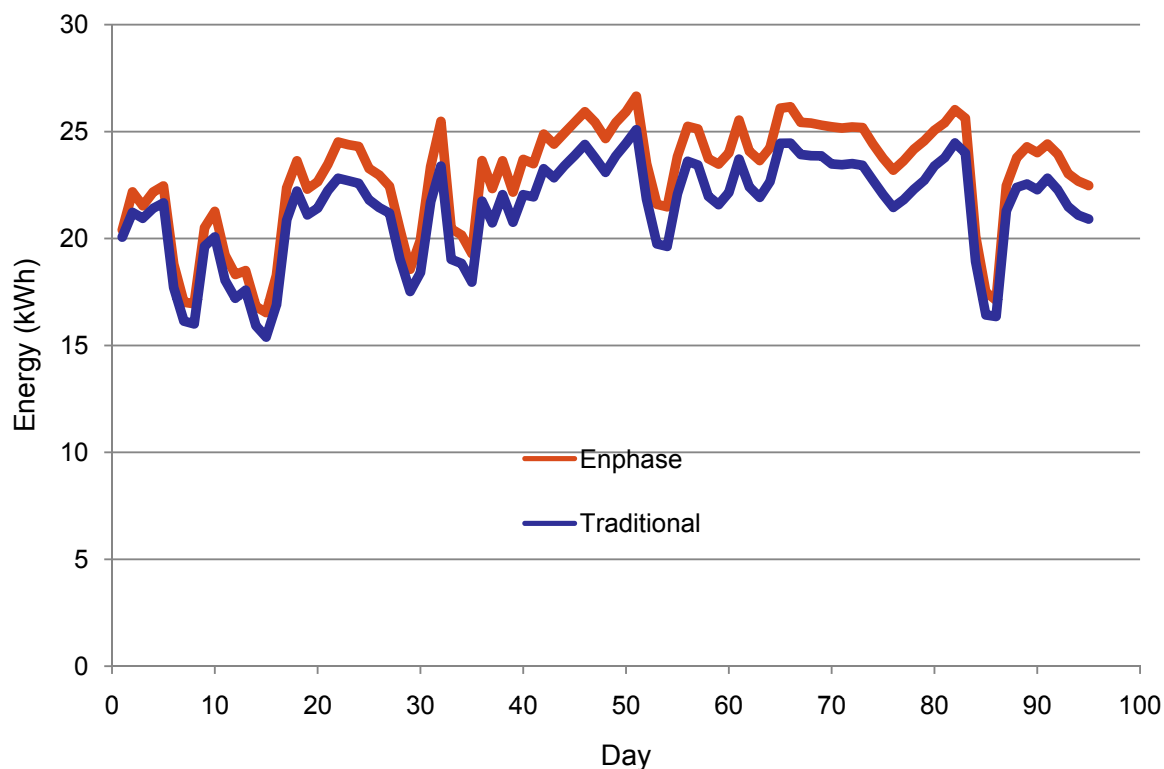
Minimum Daily Gain	1.5%
Maximum Daily Gain	27.5%

Average Gain:
9%

Site #2: Energy Production Comparison Enphase vs. Traditional String Inverter



- ⇒ Installation in Los Altos, CA
- ⇒ 54 BP 175W modules in rows
- ⇒ Traditional string inverter
 - CEC efficiency – 96%
- ⇒ *Independent meter – 1%*



Minimum Daily Gain	1.3%
Maximum Daily Gain	14.5%

**Average Gain:
7%**

Site #3: Energy Production Comparison Dust & Debris Comparison



- ⇒ Installation in Auburn, CA
- ⇒ 60 165W modules
- ⇒ Traditional string inverter
 - CEC efficiency – 96%
- ⇒ *Independent meter – 1% accurate*



Sample Data

No Shading

Enphase		Traditional	
Power	Energy	Power	Energy
3.718	0.062	3.775	0.063
3.702	0.124	3.76	0.126
3.7	0.185	3.756	0.188
3.704	0.247	3.756	0.251
3.705	0.309	3.753	0.313

Maple Leaf
Shading

Enphase		Traditional	
Power	Energy	Power	Energy
3.831	0.064	3.824	0.064
3.809	0.127	3.803	0.127
3.813	0.191	3.805	0.191
3.824	0.255	3.814	0.254
3.825	0.318	3.811	0.318

**Increased Energy:
3%**