

Agenda

- Commercial Market
- Enphase Commercial Solution
- System Comparisons
- Availability



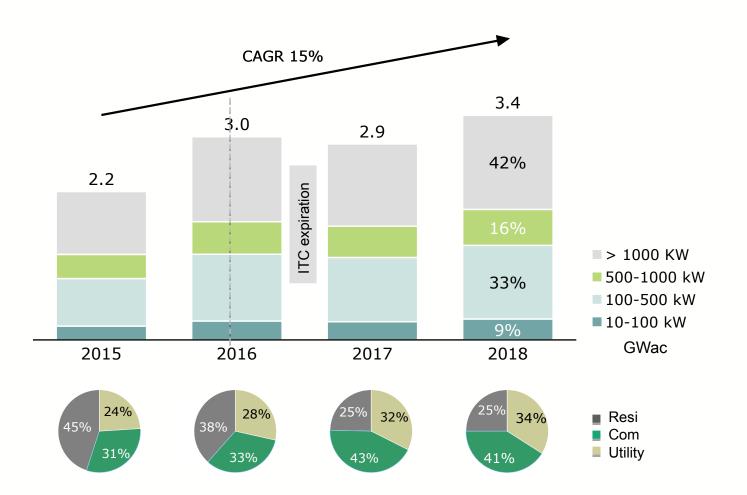
Enphase and Commercial





- Enphase has had significant success in commercial – over 6,800 installations from 10kW to over 2MW
- The Enphase 208Vac solution has been used extensively in the small commercial market.
- Enphase is now expanding to provide a total solution that includes a 480Vac system to address larger commercial projects.

The Commercial US TAM





Commercial Solution Overview



The Enphase Commercial Solution





The Enphase Commercial Solution

Solution

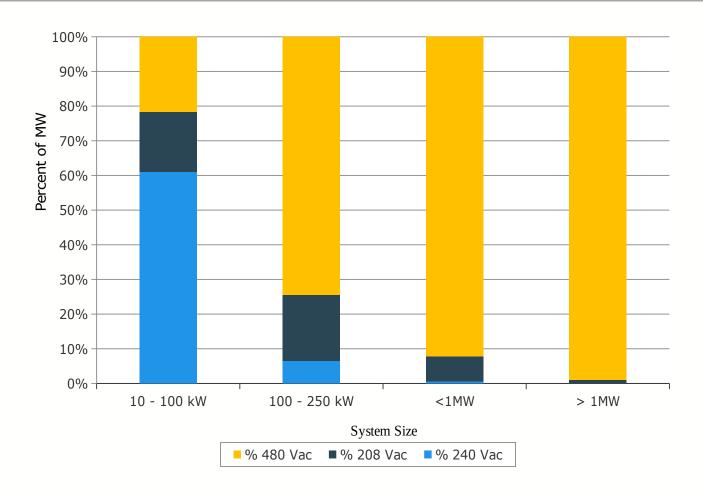
The Enphase 480V Commercial Solution combines the industry leading microinverter system with design, financing, and proactive O&M services to deliver superior system economics.

Key Benefits:

- Superior economics
 - 10% lower LCOE than string and central systems
 - Higher IRR and a better ROI
 - BoS savings+ increased energy harvest + warranty + O&M services
- System built for 480V, three phase systems, both 72 cell and 60 cell modules



The US Commercial Market

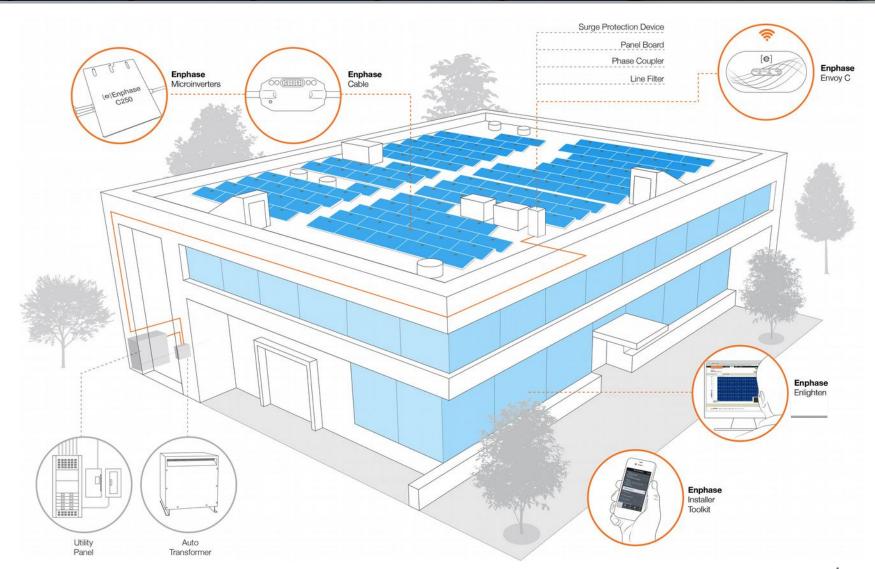


 In systems above 100 kW, 480Vac systems dominate





Enphase C250 480Vac System





C250 Microinverter System Benefits

Competitive CapEx

- Reduced microinverter costs
- BoS savings: 48 microinverters per branch circuit delivers labor and material savings due to longer and fewer system branches

Increased energy harvest and system uptime

Reduced engineering time with no stringing calculations

Streamlined installer operations by avoiding costly inventorying of various inverter sizes

Lower operation and maintenance costs

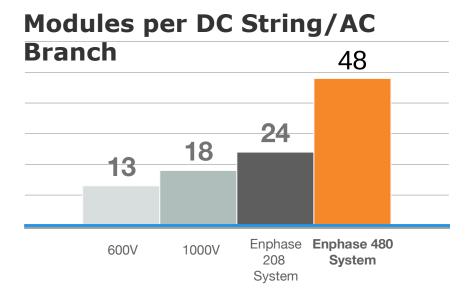
Microinverter available with either a 10 or 20 year warranty



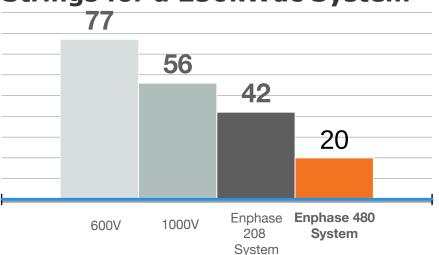
Available Q1 2015



C250 Microinverter System







48 C250 Microinverters per AC branch and fewer branches per system means:

- Easier system design
- Lower BoS costs
- Reduced installation time

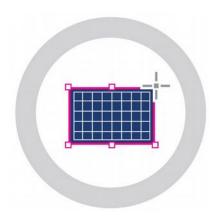


Design

Enphase is partnering with Folsom Labs to deliver an integrated engineering design solution for commercial projects.

- The C250 microinverter system is being integrated into the HelioScope design software
- System designs with resulting E-BOM and energy production estimates in just minutes
- Availability in Q1 2015

In addition, commercial design consultations are available with Enphase







Financing

- Enphase connects commercial project stakeholders to appropriate finance partners:
 - Speeding the process of financing with providers who are familiar with the Enphase technology and value proposition.



Current Finance Partners:

Connecticut Solar Lease

Figtree Financing
 PACE

Kinaole Capital
 PPA

Mission Capital Fund Lease

Tech Credit Corp
 PPA

Village Power Finance
 PPA

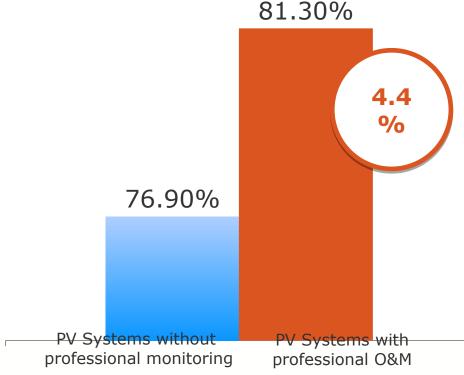
Wiser Capital
 PPA



Professional O&M = Greater **Performance Ratio**

 PV Systems with professional **O&M** outperformed non-O&M PV systems by +4.4%





The Fraunhofer Institute supported this analysis with a projected yield loss without quality assurance of -4.6%



 ^{*}PV-systems in Europe, Year of operation 2011, commissioned

Professional O&M for Enphase Systems

Enphase Energy Services

Proactive, data-driven operations and maintenance capabilities, ensuring guaranteed system availability.

Why choose Enphase?

- Lower cost through higher efficiency and utilization
- Reduced risk through a guaranteed system up time
- Known expense with fixed annualized cost
- High quality support means great customer experience



Enphase Energy Services

- Maximize your solar investment
 - 98.5% Uptime Guarantee







Proactive System Maintenance



Preventative Maintenance



Module Cleaning



Technical Support Hotline



System Comparisons



System Comparisons

The C250 Microinverter System delivers a 10% lower LCOE vs. a central inverter system.

The C250 480Vac System is more efficient and lower BoS cost vs. the M250 208Vac system.

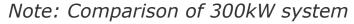
- 480Vac system lowers cost by \$0.05/W to \$0.10/W
- 480Vac system overall has ~4% efficiency improvement vs.
 208Vac system



Present Value of Lifetime Benefits

Enphase overcomes a CapEx premium by combining higher output, and longer warranty, and lower OpEx costs

> **Enphase NPV per Watt Difference**





CapEx Comparison: 300kW System

Inverter cost disadvantage partially recovered through lower BoS, engineering and installation costs



Availability



Availability

C250 microinverter

Available Q1 2015

Folsom Labs HelioScope software

- Availability Q1 2015
 - 10% discount to all installers who purchase the C250 Microinverter System.

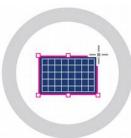
Financing Partnerships

Ongoing

Enphase Energy Services for Commercial

Available now











Summary

The Enphase Commercial Solution consists of the critical components for a successful project from design to operations and maintenance.

- Superior economics: 10% lower LCOE
- Ease of installation: 48 modules on a branch vs. 13 for string
- Peace of mind: 98.5% guaranteed uptime via Enphase Energy Services

Want more technical detail: www.enphase.com/webinars

Look for the Learning on Demand link for the C250 webinar



Thank you.

