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## Micro-Inverter Buyer's Guide

With increasing popularity, AC micro-inverters are transforming the world of PV solar power. Their low-cost, module-level optimization and tracking, high-performance and easy installation make them ideal for most residential and small commercial solar systems. In addition to these performance advantages, most micro-inverters have a 25 year warranty to match the long-life of today's PV modules. Inverters are also getting smaller and more adaptable, making for "plug and play" systems that just about anybody can install. This has created more choices for home owners and installers.

Here is a buyer's guide to simplify the selection of micro-inverters for your grid-tied solar project.

Inverter Brand	Enphase	SMA	ABB	APsystems	ReneSola
<b>Inverter Model #</b>	M215 M250	Sunny Boy 240-US-10	Micro 250W Micro 300W	YC500A	Replus-250A Replus-250B
<b>Price</b>	\$140 - \$160	\$120	\$165 - \$200	\$240	\$150
<b>Panel Compatibility</b>	60, 72 cell	60, 72 cell	60, 72, 96 cell	60, 72 cell	60 cell
<b>Max Input DC Watts</b>	260 - 310	260	265 - 320	2 @ 310	250
<b>Max Output AC Watts</b>	225 - 250	240	250 - 300	2 @ 250	217 - 225
<b>Voltage AC</b>	208 - 240	240	208 - 240	208 - 240	208 - 240
<b>Max Units per 20 Amp Circuit</b>	17 - 16	12	15 - 12	6 - 7	12 - 15
<b>Inter-Connect Cable</b>	\$21 - \$25	\$21 - \$25	\$21 - \$25	Included	Included
<b>Installation</b>	DIY after-market	DIY after-market	DIY after-market	DIY after-market	DIY after-market
<b>Warranty Years</b>	25	10	10	10	25
<b>Monitoring</b>	\$469 Envoy Enlighten Web, App	\$559 Multi-Gate Web, App	\$369 Aurora Vision CDD Web, App	\$400 Energy Controller Web, App	\$359 MRG Gateway Web, App

Want to know which panels are compatible with these mini-inverters? Find quick answers with the [AC-PV BUYER'S GUIDE](#)

### about Micro Inverters

A solar micro-inverter, also referred as microinverter or micro inverter, converts direct current (DC) from a single solar panel to alternating current (AC). Micro-inverters are small inverters rated to handle the output of a single panel. The electric power from several micro-inverters is combined and fed into an existing electrical grid. Micro-inverters contrast with conventional string or central inverter devices, which are connected to multiple solar panels.


Micro-inverters have several advantages over conventional central inverters. The main advantage is that, even small amounts of shading, debris or snow lines in any one solar panel, or a panel failure, does not disproportionately reduce the output of an entire array. Each micro-inverter obtains optimum power by performing maximum power point tracking for its connected panel.

Micro-inverters make it easy to assemble complete solar panel systems. Their plug-and-play installation and low voltage operation are ideal for grid-tied PV systems. Plus micro-inverter systems allow for performance monitoring and trouble-shooting at the module-level.

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SMA Sunny Boy 240-US Micro-inverter  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$120.00**



Enphase Micro-Inverter M215, H4-MC4, Integrated Ground  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$140.00**



Enphase Energy Inverter M215, TYCO, 208VAC-240VAC  
Sold Out  
**Our Price: \$145.00**



Enphase Energy Inverter M215, 4mm H4-MC4, 208VAC-240VAC  
Sold Out  
**Our Price: \$149.00**

★★★★☆ (1)

★★★★★ (1)



ReneSola Replus 250A Micro-Inverter 225 watts 240V output  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$150.00**



Enphase Micro-Inverter M215, TYCO, Integrated Ground  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$150.00**



ReneSola Replus 250B Micro-Inverter 217 watts 208V output  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$155.00**



Enphase Energy M250 Micro-Inverter 250 watts  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$160.00**

★★★★★ (1)



ABB Micro-Inverter 250W 208V-240V  
Sold Out  
**Our Price: \$165.00**



i-Energy Micro Inverter 230W AC  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$179.00**



Power-One Micro-Inverter 250W-208V-240V  
Sold Out  
**Our Price: \$185.00**



Power-One Micro-Inverter 250W-230V  
Sold Out  
**Our Price: \$199.00**



Power-One Micro-Inverter 300W-230V  
Sold Out  
**Our Price: \$215.00**



Power-One Micro-Inverter 300W-208V-240V  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$215.00**

★★★★★ (2)



ABB Micro-Inverter 300W 208V-240V  
Usually Ships in 1 to 2 Weeks  
**Our Price: \$215.00**



Enphase Energy S230 Micro-Inverter 230 watts  
Summer 2016  
**Our Price: \$225.00**

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