

Meet the Microinverter with Record Power Density Designed for Today's 500Wp+ High-performing PV Panels

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Who We Are

Huayu New Energy

A MPLE(Module-level Power Electronics)Specialist

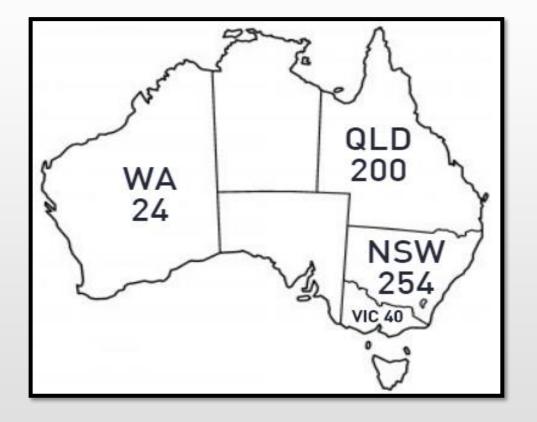




Three Key Concerns for Solar Investment



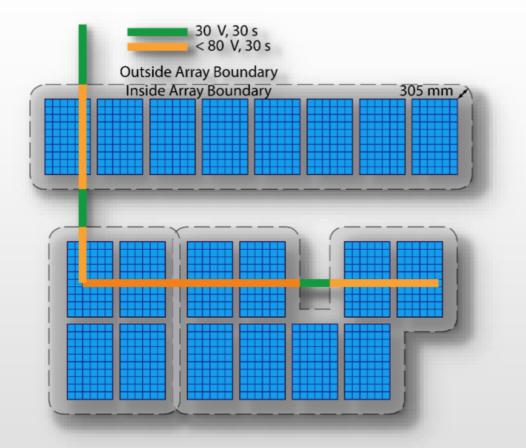




Since 2010, firefighting authorities around Australia have attended 400+ Fires that have been caused by faults in solar power systems.



How to Prevent Solar Fire Risks during 25+ Years?



Rule by NEC 2017 in **USA** - inside the Array Boundary: Voltage should not be more than **80 Volts** within 30 seconds of rapid shutdown initiation

High Solar Fire Risks: DC Arc Faults





How to Get Higher Yields from Shading or Low Light Condition?





How to Lower Hardware Cost?





Which one is the Best "All in One" Solar Solution?

Concerns	Conventional String Inverter	Conventional Microinverter	String Inverter with Optimizer	New Innovation?
Safety	\star	$\star \star \star$	$\star \star$	$\star \star \star$
Yields	\star	$\star \star \star$	$\star \star$	$\star \star \star$
Cost	$\star \star \star$	\star	\star	$\star \star \star$

Safety + Higher Yields + Lower Cost



Changing the Microinverter Landscape



Max. Continuous Output Power: 2050W

Max. DC Input Voltage: 60V

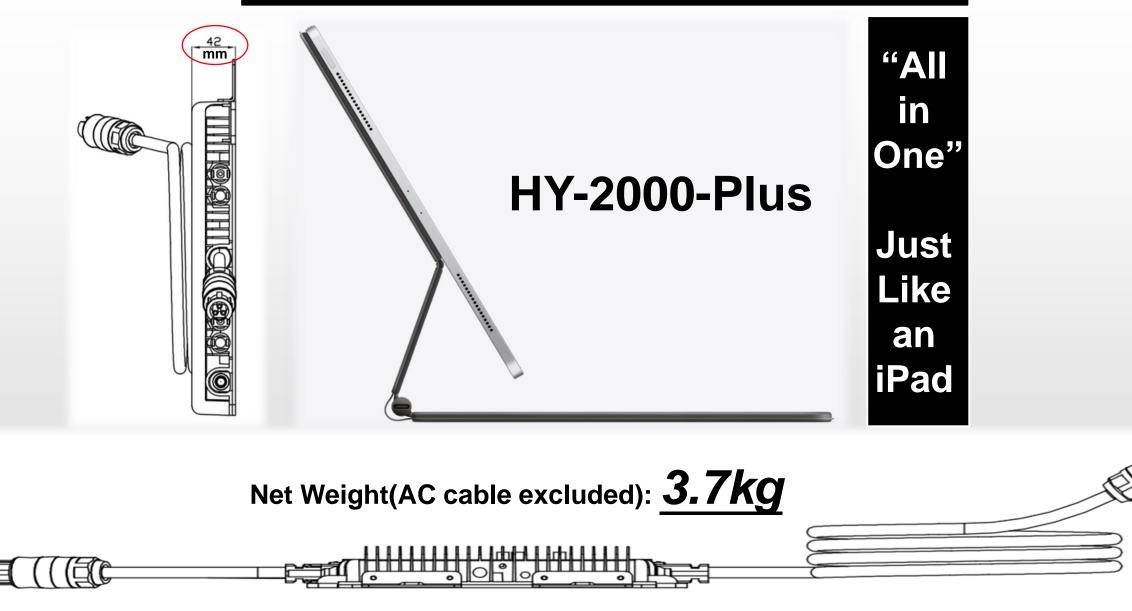
Start-up Voltage: 22Vdc

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Module-level MPPT: 4 MPPT
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Module-level Monitoring: Modular Data



Changing the Microinverter Landscape





HY-2000-Plus Power Density: 554.05W/kg

A New World Record of Power Density for Microinverter Industry



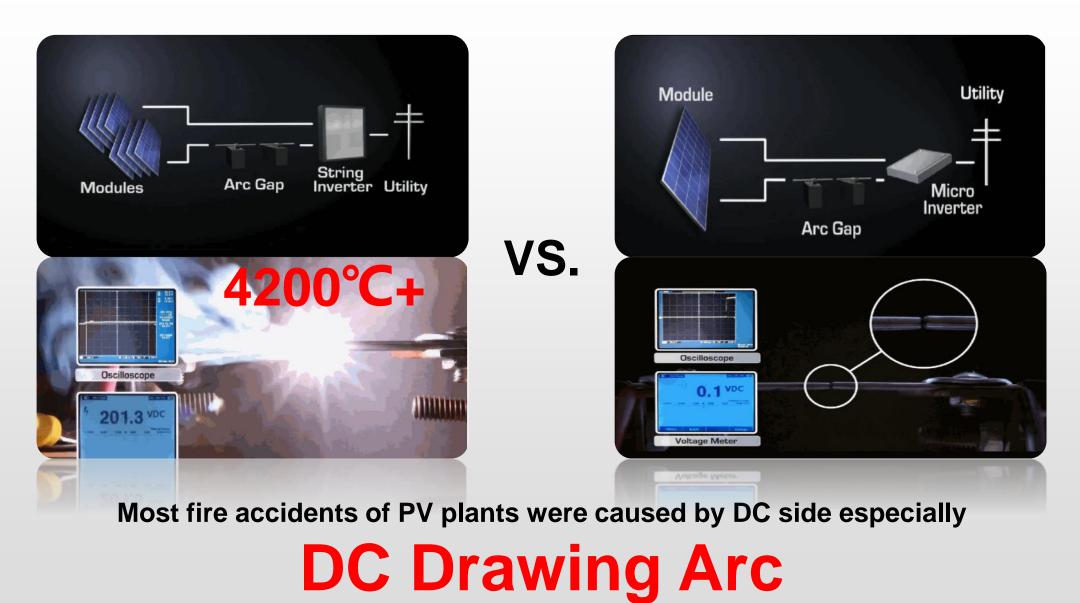




Rated DC Input Voltage: 200vdc+ Enclosure Protection: IP65 Max. DC Input Voltage: 60vdc Enclosure Protection: 1P67

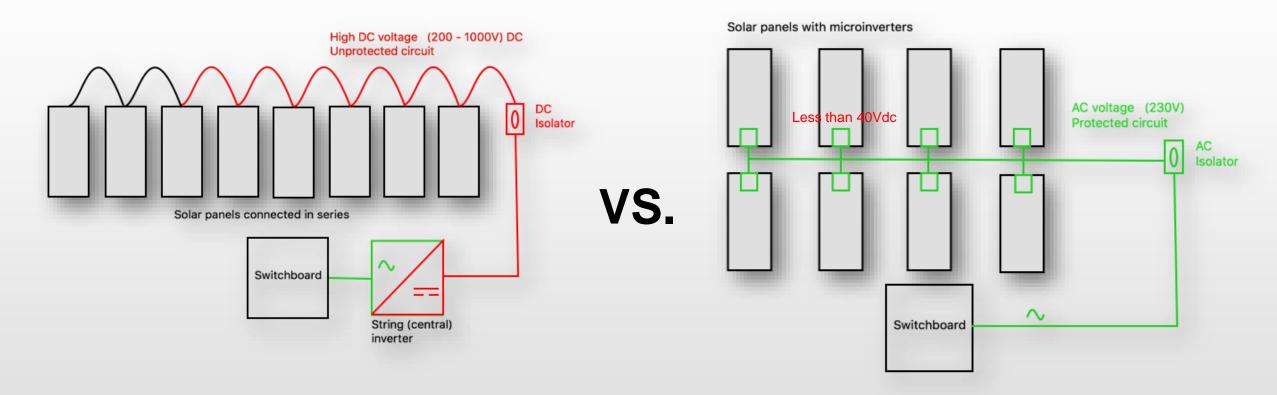












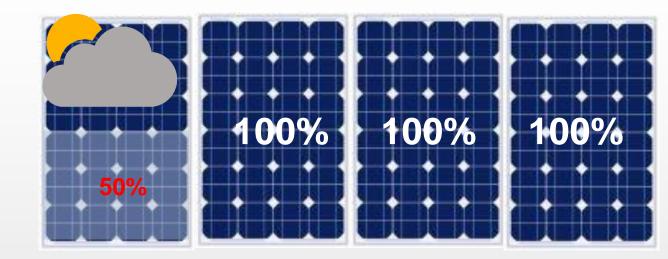
DC arc fault only occurs on a solar system that has unprotected DC voltage circuits above approximately









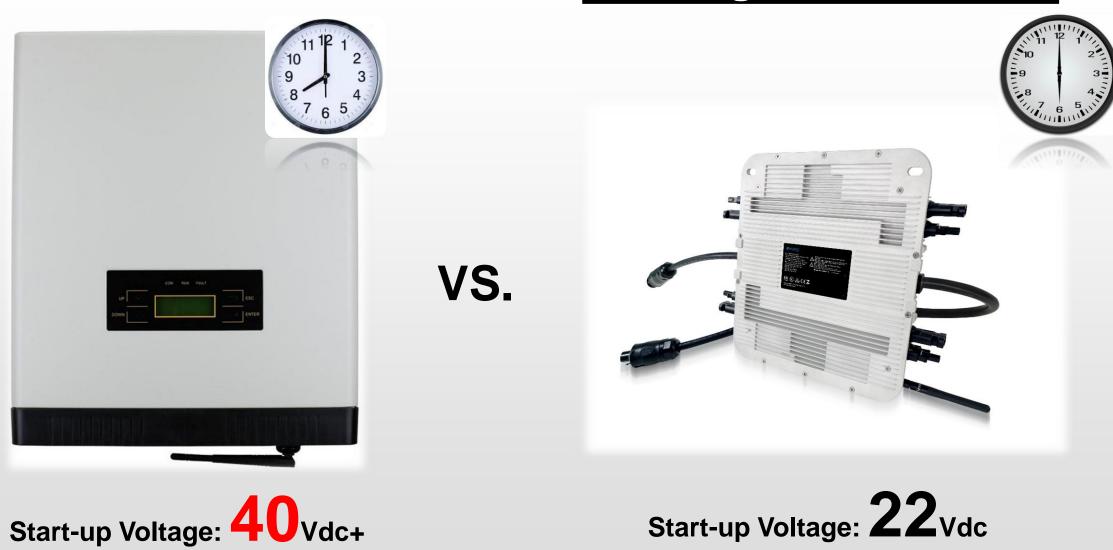


Module-level MPPT (5-30%+ more yields)

String-level MPPT



Higher Yields

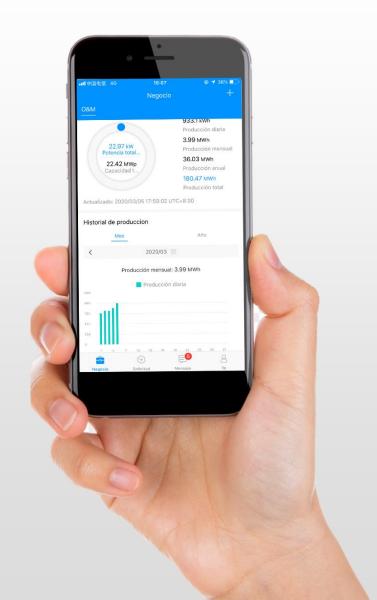




Module-level Monitoring



"Module-level" instead of "Plant-level"





Module-level Monitoring

World's First Data Logger(DTU)Integrated Microinverter





More Cost-effective



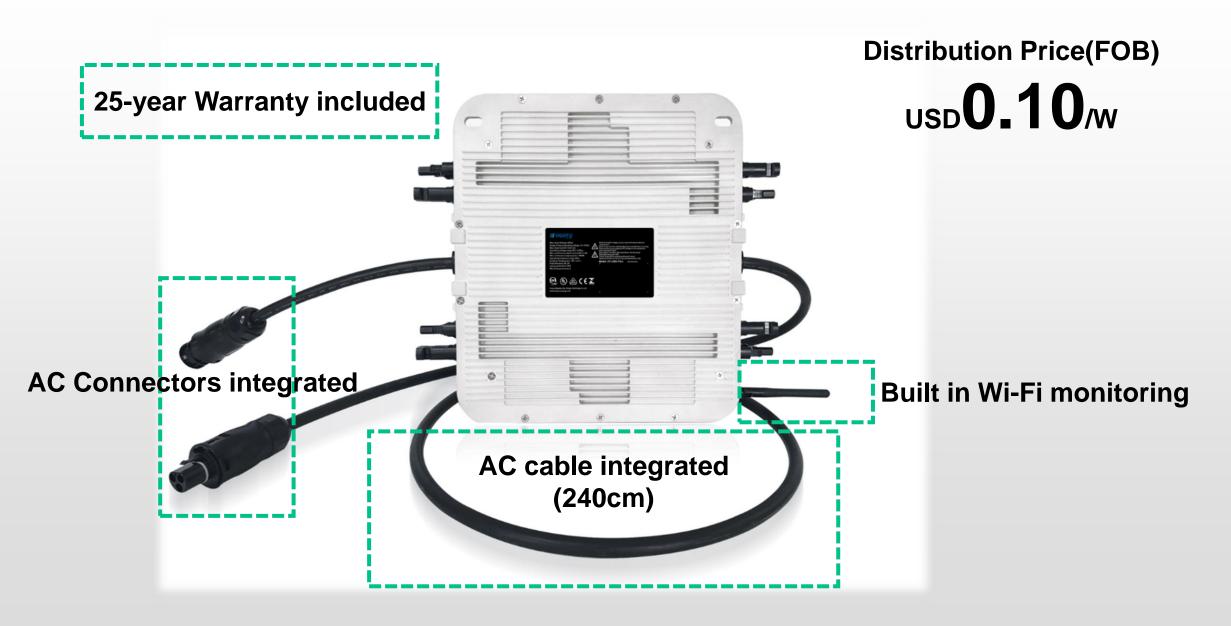
Distribution Price(FOB)

Distribution Price(FOB)

Distribution Price(FOB)

More Cost-effective







Compatible with 500W+ PV Modules





New Huayu "4 in 1" Family



HY-1200/1300-Plus & HY-1600/1800/2000-Plus (4 × 315Wp~580Wp)



Mass Production

Available for

- Europe
- North America
- South America
- South East Asia

- Australia From July 1st, 2020

Target Sales Volume

150MW July 1st, 2020 - June 30th, 2021

300MW July 1st, 2021 - June 30th, 2022

600MW July 1st, 2022 - June 30th, 2023



Bigger Size & Higher Power Density?





Will High Power Density Microinverter Dominate Rooftop Solar Market?

Safer	Higher Yields	Smarter
Max. DC Input Voltage 60Vdc	Module-level MPPT	Module-level Monitoring
IP67	Start-up Voltage 22V	Data Logger Built-in
25-year Warranty	Low Failure Rate < 0.1%	Plug & Play





Q & A

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