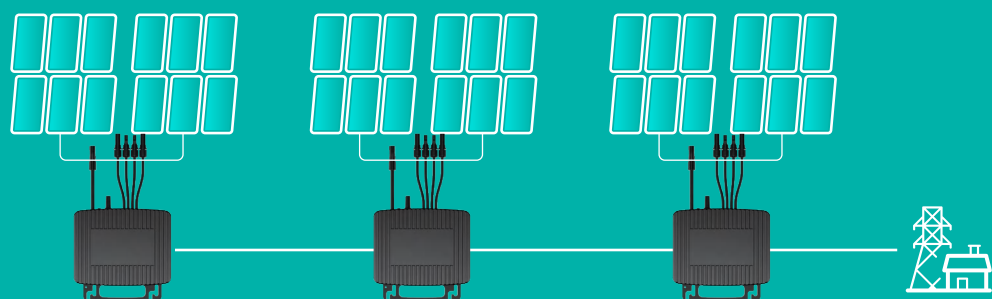


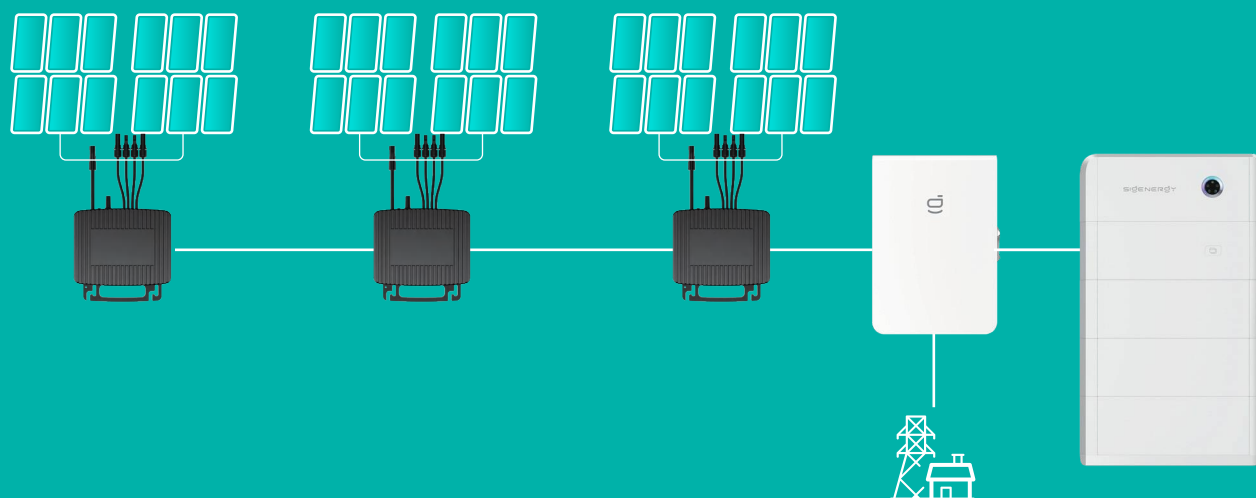
Solution 1:

On-Grid PV Only



Solution 2:

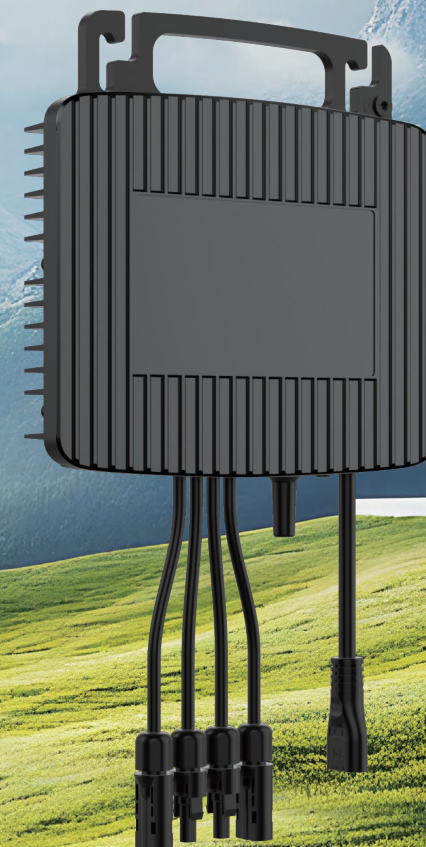
Micro-Grid PV+ESS



Sigenergy focuses on developing cutting-edge home and business energy solutions, with products ranging from energy storage systems to solar inverters and EV chargers. Our world-class R&D team of hundreds of top industry experts shares the vision of making the world greener via continuous innovation. With global sales and services, we aim to become our customers' most trusted partner on their journey to a more sustainable future.

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SigenMicro Inverter

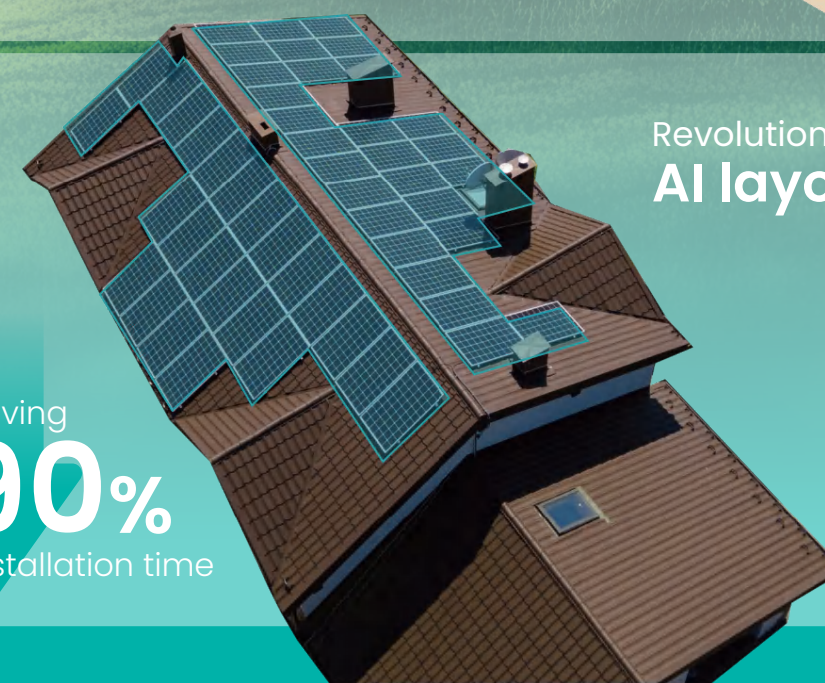
1-in-1 384 / 480W 2-in-1 768 / 960 W

Rooftop solar

Boost earnings with module-level MPPT



Revolutionize installation speed with
AI layout recognition



Saving
90%
Installation time



EMS inside,
free from network gateway



Saving CAPEX
Simplify installation

\$500
Network Gateway cost

97.5%

High efficiency

The highest efficiency at the 1kW power level.

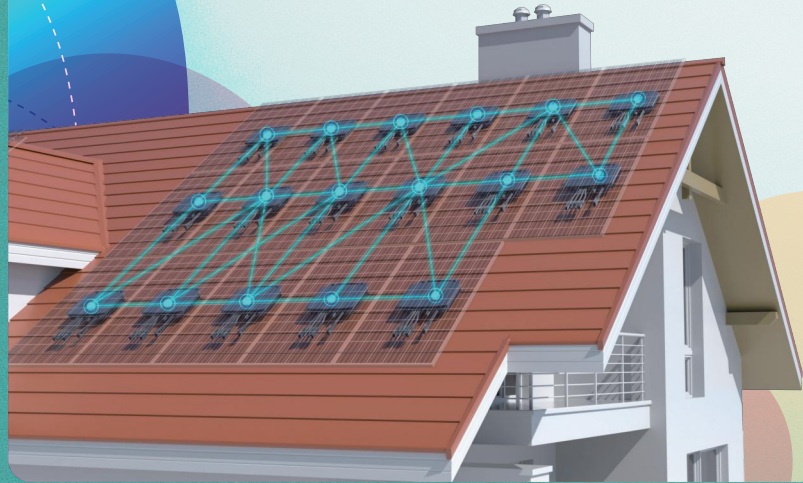


Whitelist security

Fully safeguard the security of your data and devices

Innovative WiFi-Mesh Comm.

The world first in the industry to apply WiFi – Mesh technology to the MLPE field



Auto-networking
Effortless setup, instant expansion.

Self-healing
Ultra stability, zero downtime.

High-coverage
Mesh blankets every corner



Perfect Synergy with SigenStor
Seamless Integration with EMS for precise control



NEMA 6 Protection

SigenMicro Inverter

SigenMicro	384 US	480 US	768 US	960 US	Units
DC Input (from PV)					
Commonly used module power	320 ~ 540+	400 ~ 670+	(320 ~ 540+) x 2	(400 ~ 670+) x 2	W
Start-up voltage	20				V
Min. PV input voltage / Start-up voltage	16 / 20				V
MPPT voltage range	16 ~ 60				V
Number of modules connected	1	1	2	2	
Max. input current	16 x 1	16 x 1	16 x 2	16 x 2	A
Max. input short-circuit current	25 x 1	25 x 1	25 x 2	25 x 2	A
AC Output (on-grid)					
Max. continuous output power	384	480	768	960	VA
Max. continuous output current	1.6	2	3.2	4	A
Nominal (L-L) output voltage	240				V
Nominal (L-L) output voltage range ¹	211 ~ 264				V
Nominal grid frequency	60				Hz
Grid frequency range ¹	55 ~ 65				Hz
Total current harmonic distortion	THDi < 3% (at rated power)				
Power factor	0.8 leading ~ 0.8 lagging				
Max. units per 20 A (L-L) branch circuit ²	10	8	5	4	
Efficiency					
Max. efficiency	97.5%				
CEC efficiency	97.0%				
Monitoring & Protection					
Grid monitoring	Supported				
Ground fault protection	Supported				
PV module-level monitoring	Supported				
Rapid shutdown	Supported				
Surge protection	Supported				
General Data					
Dimensions (W / H / D)	9.13 x 7.32 x 1.38 / 232 x 186 x 35 (without bracket)				in / mm
Weight	5.5 / 2.5	5.5 / 2.5	6.2 / 2.8	6.2 / 2.8	lbs / kg
Storage temperature range	-40 ~ 185 / -40 ~ 85				°F / °C
Operating temperature range	-40 ~ 149 / -40 ~ 65				°F / °C
Relative humidity range	0% ~ 100%				
Max. operation altitude	13123 / 4000				ft / m
Cooling	Natural convection				
Topology	High Frequency Transformers, Galvanically Isolated				
Night power consumption	< 50				mW
Ingress protection rating	NEMA Type 6 / Outdoor				
Display	LED				
Communication	WLAN				
AC connection type	Plug and play connector				
Installation method	Bracket mounted				

1. Nominal output voltage range and grid frequency range can vary depending on local requirements.
2. Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.