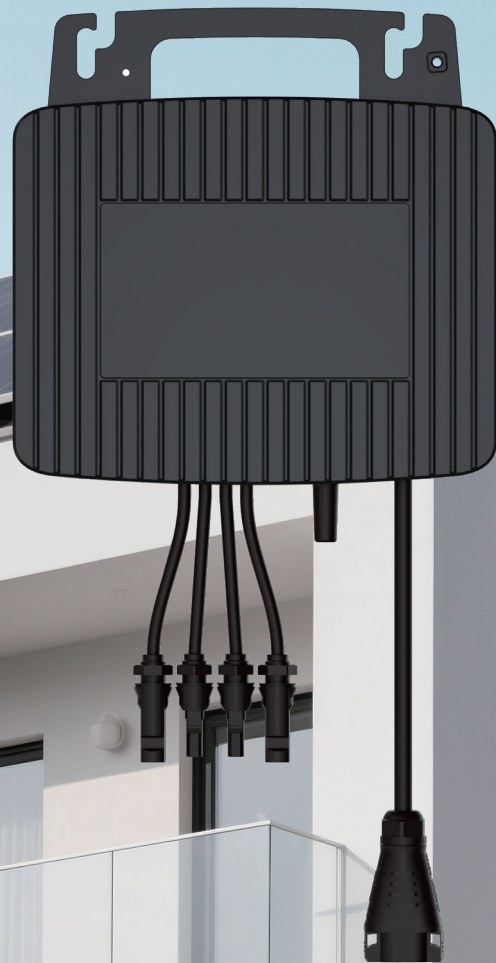


SigenMicro Inverter

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

- Innovative DAB Topology, industry-leading efficiency
- The world's first WLAN Mesh, more reliable and scalable
- The world's first EMS inside, free from network gateway
- AI layout recognition, 5 minutes fast commissioning
- Whitelisting security, enhanced data 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	20 x 1	20 x 1	20 x 2	20 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	57 ~ 63				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	
Max. units per 30 A (L-L) branch circuit ²	15	12	7	6	
Efficiency					
Max. efficiency	97.0%		97.5%		
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	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				
Ingress protection rating	NEMA Type 6 / Outdoor				
Display	LED				
Communication	WLAN				
AC connection type	Plug and play connector				
Installation method	Bracket mounted				
Standard Compliance					
Certifications	UL 1741, UL 1741 SB, UL 1741 CRD, IEEE 1547-2018, IEEE 1547.1-2020, UL 1998, UL 991, UL 1699B, CP 65, FCC Part 15 Class B				

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