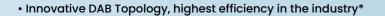
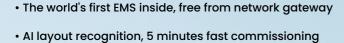


SigenMicro Inverter

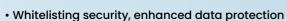
400 W / 500 W 1-in-1 800 W / 1000 W 2-in-1







Balcony solar







* At 1 kW level

SigenMicro Inverter

Preliminary

SigenMicro	400		500			800			1000			Units	
DC Input													
Commonly used module power	32	20 ~ 54)+	40	00 ~ 67)+	(320) ~ 540+	+) x 2	(400	0 ~ 670+	-) x 2	W
Start-up voltage							20						V
Min. / Max. PV input voltage						16 -	60						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			Α
AC Output													
Grid type	Single Phase												
Nominal output power		400			500			800			1000		
Nominal output current	1.82	1.74	1.67	2.27	2.17	2.08	3.64	3.48	3.33	4.55	4.35	4.17	А
Nominal output voltage	220	230	240	220	230	240	220	230	240	220	230	240	V
Nominal output voltage range ¹		184 ~ 275											V
Nominal grid frequency		50 / 60											Hz
Grid frequency range 1		45 ~ 55 / 57 ~ 63											
Total current harmonic distortion		THDi < 3% (at nominal power)											
Power factor		0.8 leading ~ 0.8 lagging											
Max. units per branch ² (2.5 mm ²)	8	9	9	7	7	7	4	4	4	3	3	3	
Max. units per branch ² (4.0 mm ²)	13	13	14	10	11	11	6	6	7	5	5	5	
Efficiency													
Max. efficiency	97.5%												
European efficiency	96.7%												
Monitoring & Protection													
Grid monitoring	Supported												
Ground fault detection		Supported											
PV module-level monitoring		Supported											
Rapid shutdown	_	Supported											
Surge protection		Supported											
General Data													
Dimensions (W / H / D)				2	32 / 186	3 / 35 (v	vithout	bracke	t)				mn
Weight		2.5			2.5			2.8			2.8		kg
Storage temperature range	,					-40	~ 85						°C
Operating temperature range						-40	~ 65						°C
Relative humidity range						0% ~	100%						
Max. operation altitude						40	00						m
Cooling					No	atural c	onvect	on					
Topology			High	r Freque	ency Tr	ansforn	ners, G	alvanic	ally Isol	ated			
Night power consumption						<	50						m۷
Ingress protection rating	-					IP	67						
Display	-					LE	D					-	
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.

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^{2.} Limitations may differ by region. For the exact number of microinverters permitted per branch circuit, please refer to local regulations and standards.

^{3.} SigenMicro is only available in specific regions. Please contact Sigenergy or local distributors for details.