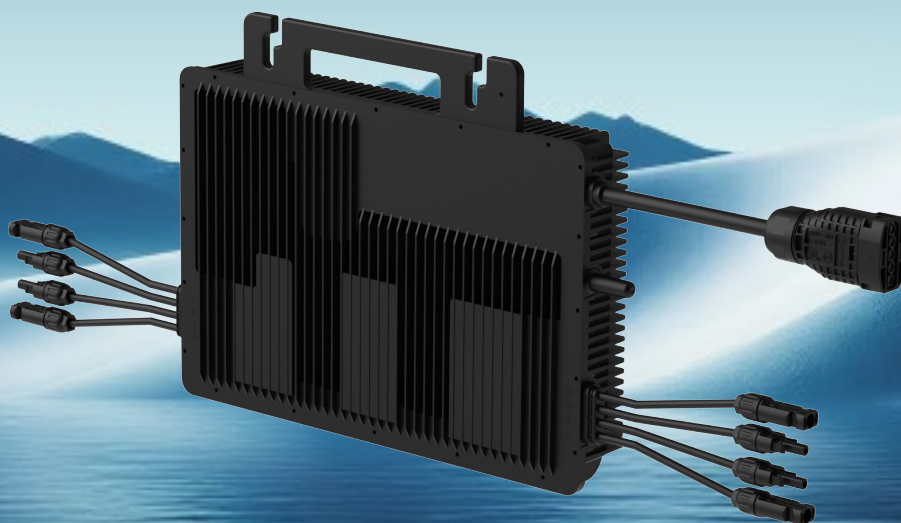


THREE-PHASE MICROINVERTER

Hoymiles new generation microinverter MIT-(4000-6000)-S series is designed to handle twelve high-powered modules per unit. With output up to 6000 VA and four independent MPPTs, it keeps each string producing at its best even when part of the array is shaded or underperforming.

The MIT-(4000-6000)-S series features a plug-and-play design with the Flex-T5 Cable System. Sub-1G wireless keeps a solid link to the Hoymiles DTU, so you can track performance and troubleshoot any module remotely through S-Miles Cloud.

MIT-(4000-6000)-S



Features

- | | |
|---|--|
| 01 Three-phase output, ideal for commercial and industrial applications | 04 Accommodate up to twelve high-powered PV modules, helping lower overall installation costs |
| 02 Output power up to 6000 VA and input current up to 20 A, compatible with 182 mm/210 mm PV modules | 05 Plug-and-play for quick installation with Flex-T5 Cable System, reducing installation time and labor costs |
| 03 Four MPPTs, optimizing power generation | 06 Sub-1G wireless solution for stable communication and convenient O&M |

Technical Specifications

Model	MIT-4000-S	MIT-4500-S	MIT-5000-S	MIT-5500-S	MIT-6000-S
Input Data(DC)					
Commonly used module power (W)	270 to 450+	300 to 500+	335 to 560+	365 to 620+	400 to 675+
Maximum input voltage (V)	180				
Min./Max. start voltage (V)	32/170				
MPPT voltage range (V)	12 to 170				
Peak power MPPT voltage range (V)	53 to 170	59 to 170	66 to 170	72 to 170	79 to 170
Maximum input current (A)	20				
Maximum input short circuit current (A)	25				
Number of MPPTs	4				
Number of inputs per MPPT	1				
Output Data(AC)					
Rated output power (VA)	4000	4500	5000	5500	6000
Rated output current (A)	3 × 5.80	3 × 6.52	3 × 7.25	3 × 7.97	3 × 8.70
Nominal output voltage (V)	3L/N/PE, 230/400				
Nominal output voltage range (V)	195-275				
Nominal frequency (Hz)	50/60				
Adjustable Power factor (@nominal power)	>0.99 default 0.8 leading ... 0.8 lagging				
Total harmonic distortion (@nominal power)	<3%				
Efficiency					
Peak efficiency	97.6%				
EU weight efficiency	96.8%				
Nominal MPPT efficiency	99.8%				
Night power consumption (mW)	<50				
Mechanical Data					
Ambient temperature range (°C)	-40 to +65				
Storage temperature range (°C)	-40 to +85				
Dimensions (W × H × D [mm])	395 × 308 × 60				
Weight (kg)	9				
Enclosure rating	Outdoor-IP67				
Cooling	Natural convection – No fans				
Features					
Communication	Sub-1G				
Topology	Transformerless				
Monitoring	S-Miles Cloud (Hoymiles Monitoring Platform)				
Compliance	CE, IEC 62116, IEC 61727, IEC 60068, IEC 61683 BIS 16221 (Part 2): 2015, BIS 16169: 2019, BEE				