







Microinverter

IS-030/IS-040/IS-050

-  Safer with rapid shutdown compliance
-  Plug & Play, easy installation
-  96.7%+ peak efficiency with MPPT
-  WiFi integrated, direct communication with APP
-  IP67 protection, adapt to outdoor use
-  25 years design lifetime and 12 years warranty



Product Model	IS-030	IS-040	IS-050
Input Data (DC)			
Recommended PV Module Power (W)	240~405+	320~540+	400~670+
MPPT Voltage Range (V)	25~48		
Maximum Input Voltage (V)	60		
Startup Voltage (V)	22		
Maximum Input Current (A)	14	16	20
Maximum input short circuit current (ISC) (A)	25		
Number of MPPTs	1		
Output Data (AC)			
Rated Output Power (W)	300	400	500
Rated Output Current (A)	1.30	1.74	2.17
Nominal Output Voltage (V)	220 / 230 / 240		
Nominal Output Frequency (Hz)	50 / 60		
Power Factor (Default/Adjustable)	0.99 / 0.90 leading...0.90 lagging		
Total Harmonic Distortion (THDi)	<3%		
Maximum units per branch	19	14	11
Efficiency			
Peak Efficiency	96.70%	96.70%	96.70%
Nominal MPPT Efficiency	99.80%		
Nighttime Power Consumption (mW)	<50		
Mechanical Data			
Operating Temperature Range (°C)	-40 ~ +65		
Storage Temperature Range (°C)	-40 ~ +85		
Altitude (m)	4000		
Noise (dB)	<20		
Enclosure Environmental Rating	IP67		
Cooling	Natural Cooling		
Dimensions (W*H*D mm)	192*208*35		
Weight (kg)	1.80		
Features			
Communication	WiFi / 2.4G		
Monitoring System	Inver Cloud		
APP	Inver Dealer / Inver Energy		
Warranty	12 Years		
Compliance	CE / VDE4105 / EN50549-1		