



Sigen Utility PV Inverter

Sigen PV 400H2 & 370H2

Sigen PV Inverter

Sigen PV	400H2	370H2	Units
DC Input			
Max. DC input voltage	1500		V
Start-up voltage	520		V
Nominal DC input voltage	1080		V
MPPT voltage range	480 ~ 1500		V
Number of MPP. trackers	14		
Number of PV strings per MPPT	2		
Max. input current per MPPT	40		A
Max. short-circuit current per MPPT	60		A
AC Output			
Nominal output active power	360,000	333,000	W
Max. output apparent power	396,000	366,300	VA
Max. output active power ($\cos\phi=1$)	396,000	366,300	W
Nominal output current	259.9	240.4	A
Max. output current	285.8	264.4	A
Nominal output voltage	800, 3W+PE		Vac
Nominal grid frequency	50 / 60		Hz
Power factor	0.8 leading ~ 0.8 lagging		
Total current harmonic distortion	THDi < 1%		
Efficiency			
Max. efficiency	99.0%		
European efficiency	98.8%		
Protection			
DC switch	Supported		
PV / Output terminal overtemperature protection	Supported		
Anti-islanding protection	Supported		
AC overcurrent protection	Supported		
DC reverse polarity protection	Supported		
DC surge protection	Type II (Default) / Type I (Optional)		
AC surge protection	Type II		
Insulation monitoring	Supported		
AFCI	Optional		
Residual current monitoring	Supported		
General Data			
Dimensions (W / H / D)	1080 / 860 / 409		mm
Weight ¹	140		kg
Nighttime power consumption	4.8		W
Operating temperature range	-30 ~ 60		°C
Relative humidity range	0% ~ 100%		
Max. operating altitude	5000 (Derating at 4000 m)		m
Cooling	Smart air cooling		
DC connection type	H4 Pro		
AC connection type	OT/DT terminal		
Ingress protection rating	IP66		
Anti-corrosion protection	C5-M (Default) / C5-H (Optional)		
Communication & Display			
FE (Fast Ethernet)	Supported		
PLC (AC)	Supported		
WLAN + APP	Supported		
LED indicators	Supported		

1. The actual weight may vary by ±10%. Please refer to the actual delivered product. The specification is for reference only.

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