



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 (cosφ=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.