

## Residential Solution

## 1kW·2kW·3kW·3.6kW·5kW·6kW



**5-10**  
Year  
Product  
Warranty

**50+**  
Country  
Global  
Application

**97.5%**  
Max.  
Efficiency

### Protection

DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Surge Protection	Yes
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Optional

### Input Data

	HYS-1K	HYS-2K	HYS-3K	HYS-3.6K	HYS-5K	HYS-6K
Max.DC Power(kW)	1.3	2.6	3.6	4.68	6.5	6.6
Max.DC Input Voltage (V)	500					
Start-up DC Input Voltage(V)	80	120	120	120	120	120
MPPT Operating Range(V)	70~500	100~500	100~500	100~500	100~500	100~500
Max.DC Input Current(A)	10	10	10	10+10	10+10	10+10
No.of MPPT/Strings per MPPT	1/1	1/1	1/1	2/1	2/1	2/1

### Output Data

Rated Output Power(kW)	1	2	3	3.6	5	6
Max. Active Power(kW)	1.1	2.2	3.3	4	5.5	6.6
Rated AC Grid Voltage(V)	230					
AC Grid Voltage Range(V)	160~300	160~300	160~300	180~300	180~300	180~300
Rated Grid Frequency(Hz)	50/60(Optional)					
Operating Phase	Single phase					
Rated AC Grid Output Current(A)	4.3	8.7	13.1	16	22	26
Max.AC Output Current(A)	4.7	9.6	14	18	24	29
Output Power Factor	>0.99					
Grid Current THD	<3%					
DC Injection Current(mA)	<0.5%					
Grid Frequency Range	47~52 or 57~62(Optional)					

### Efficiency

Max.Efficiency	97.3%	97.3%	97.5%	97.3%	97.5%	97.5%
Euro Efficiency	97.1%	97.1%	97.3%	97.1%	97.3%	97.3%
MPPT Efficiency	>99%					

### Features

DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232

### General Data

Topology	Transformerless	Size(mm)	330W×347.5H×127D/127D/127D/179D/179D/179D			
Internal Consumption	<1W(Night)	Weight(kg)	7	7	7	12.5
Running Temperature	-25~60°C	Designed Lifetime	>20 years			
Ingress Protection	IP65	Grid Connection Standard	EN50438,IEC61727,VDE4105,NB/T32004(CQC),IEC62109-1-2			
Noise Emission(Typical)	<30 dB	Operating Surroundings Humidity	0-100%			
Cooling Concept	Intelligent cooling	Stafty EMC /Standard	IEC62109-1/-2,EN61000-6-1,EN61000-6-3			
Max. Operating Altitude Without Derating	2000m					

EMC/Safety/On-grid certification available for

North America · South America · Brazil · Europe · Australia · India · Korea · Israel & Thailand etc.

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