

Commercial Solution

30kW-33kW-35kW-40kW-50kW



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

General Data

Size(mm)	700W×684H×307D	Cooling Concept	Intelligent cooling
Weight(kg)	55	Max. Operating Altitude Without Derating	2000m
Topology	Transformerless	Designed Lifetime	>20 years
Internal Consumption	<1W(Night)	Grid Connection Standard	EN50438 , IEC61727 , VDE4105 , NB/T32004(CQC) , IEC62109-1-2
Running Temperature	-25~60°C	Operating Surroundings Humidity	0-100%
Ingress Protection	IP65	Stafy EMC /Standard	IEC62109-1/-2 , AS3100 , EN61000-6-1
Noise Emission(Typical)	<30 dB		

Input Data

	HYS-30K-3	HYS-33K-3	HYS-35K-3	HYS-40K-3	HYS-50K-3
Max.DC Power(kW)	36	36	39.6	52	65
Max.DC Input Voltage (V)	1000				
Start-up DC Input Voltage(V)	250				
MPPT Operating Range(V)	200~850				
Max.DC Input Current(A)	30+30	30+30	30+30	30+30+30	30+30+30+30
No.of MPPT/Strings per MPPT	2/3	2/3	2/3	3/3	4/3

Output Data

Rated Output Power(kW)	30	33	35	40	50
Max. Active Power(kW)	33	36.3	38.5	44	55
Rated AC Grid Voltage(V)	380/400				
AC Grid Voltage Range(V)	277~460				
Rated Grid Frequency(Hz)	50/60(Optional)				
Operating Phase	Three phase				
Rated AC Grid Output Current(A)	43.5	48	50.7	58	72.4
Max.AC Output Current(A)	47.85	52.8	55.8	63.8	79.64
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	98.7%
Euro Efficiency	98.3%
MPPT Efficiency	>99%

Features

DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD240X160
Interface	RS485/RS232

EMC/Safety/On-grid certification available for

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

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