

SYS Series

4.6KW-6KW

The SYS series of our company consists of single-phase inverters that infuse the best technology with an integrated streamlined case design. It is robust for residential and commercial spaces.

Best compatible with Bifacial PV modules.



DC Input 200% with a higher MPPT Range with inbuilt global MPP scan for higher yield efficiency



AC/DC built-in Type II SPD (Optional) and I-V curve diagnosis supported



10s level interval of data update (Optional) and multiple interfaces for presenting data



IP 66 rated, engineered to last with maximum flexibility, making it suitable for outdoor installation

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Single Phase Inverters

Model SYS4.6KW SYS5KW SYS5.3KW SYS5.5KW SYS6KW

DC INPUT					
MAX DC Voltage [V]				600	
Start-Up Voltage [V]				120	
Rated Voltage DC [V]				360	
MPPT operating Range [V]				80-550	
Max. permissible DC current / MPPT [A]				16	
No of MPPT				2	
No of Strings per MPPT				1+1	
Short Circuit Current [A]				22	
AC OUTPUT					
Nominal AC Output power [W]	4600	5000	5300	5500	6000
Max AC Current [A]	20	21.73	23	25.46	26.1
Rated Voltage	220-230V -240V/ 50 Hz as Per the Indian Grid Standards.				
Operating voltage Range	160-290V Variable				
Operating Frequency Range	45-55Hz Variable				
AC connection configuration	P+N+E				
Power Factor	>0.99%, 0.8 leading - 0.8 lagging				
THD	<3%				
Self-consumption (Night) [W]	<0.2				
DC Current Injection	<0.25%				
EFFICIENCY					
MPPT efficiency	99.00%	98.00%	99.00%	99.90%	98.00%
Features / Protections					
Display type (LED/LCD)	2 * 16-Character LCD Display with LED Indicators				
Communication Port	GPRS/ WIFI / RS-485/USB/Ethernet				
GFM/OT/ RCD/DC Rev Pol /Anti-Islanding /OOC	INTEGRATED				
DC Switch /Anti-PID feature	OPTIONAL				
Built-in AC/ DC SPD type	TYPE III SPD (GDT)				
AMBIENT CONDITIONS					
Operating Temperature Range	- 20°C + 60°C (>50°C Derating)				
Protection level (IP)	IP65				
Cooling	Self-cooling				
Dimensions (W x H x D) mm /Weight	402x476.5x148 mm / 15.5kg				
Warranty	10 Years Standard Warranty				
IEC/BIS					
	BIS 16169, BIS16221, IEC61727, IEC62116, IEC61000-1-2-3-4, IEC 62109-1/-2, IEC61683:1999, IEC 60068-2 (1,2,14,30)				