

# SYS Series

2KW-4.6KW

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.



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



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



IP 65 rated, engineered to last with maximum flexibility, making it suitable for outdoor installation.

# Single Phase Inverters

**Model**                      **SYS2KW**    **SYS2.50W**    **SYS3KW**    **SYS3.3KW**    **SYS3.6KW**    **SYS4KW**    **SYS4.2KW**    **SYS4.6KW**

## DC INPUT

MAX DC Voltage [V]	500
Start-Up Voltage [V]	50
MPPT voltage range [V]	40-480
Rated Voltage DC [V]	360
Max DC current /MPPT [V]	20A
No of MPPT	1
No of Strings per MPPT	1
Short Circuit Current Isc. [A]	26A

## AC OUTPUT

Nominal AC Output power [W]	2000	2500	3000	3300	3600	4000	4200	4600	
Rated AC Current [A]	8.7	10.9	13.1	14.4	15.65	17.40	18.26	20	
Rated Voltage	220-230V -240V/ 50 Hz as Per the Indian Grid Standards								
voltage Range	160-290V Variable								
Frequency Range [Hz]	50/60;±5								
AC connection configuration	P+N+E								
Power Factor	>0.99%, 0.8 leading - 0.8 lagging								
THD	<3%								
Self-consumption [W]	<0.2								
DC Current Injection	<0.25%								

## EFFICIENCY

MPPT efficiency	98.00%
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## FEATURES/PROTECTION

Display type (LED/LCD)	2 * 16-character LCD Display with LED Indicators
communication Port	GPRS/ WIFI / RS-485/USB
GFM/OT/ RCD/DC Rev Pol /Anti- Islanding /OOC	INTEGRATED
DC Switch / PID feature	OPTIONAL
Built-in AC/ DC SPD type	TYPE III SPD

## AMBIENT CONDITIONS

Protection level (IP)	IP-66
OT-Range	- 20 C + 60 C
Dimensions (W x H x D) mm / Weight	290x220x120mm / 5.7 KG
Warranty	10 years conditional warrenty

**IEC/BIS**                      BIS16169, BIS16221, IEC61727, IEC62116, IEC61000-1-2-3-4, IEC 62109-1/-2, IEC61683:1999, IEC 60068-2(1,2,14,30)

# 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 & TOPCON modules.



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



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



IP 65 rated, engineered to last with maximum flexibility, making it suitable for outdoor installation.

# Single Phase Inverters

Model	SYS4.6KW	SYS5KW	SYS5.3KW	SYS5.5KW	SYS6KW
<b>DC INPUT</b>					
DC Input Watt	4600W	5000W	5300W	5500W	6000W
MAX DC Voltage [V]	550				
Start-Up Voltage [V]	60				
Rated Voltage DC [V]	360				
MPPT operating Range [V]	50-500				
Max. permissible DC current / MPPT [A]	20A				
No of MPPT	1				
No of Strings per MPPT	1				
Short Circuit Current [A]	26				
<b>DC INPUT</b>					
Nominal AC Output power [W]	4600	5000	5300	5500	6000
Max AC Current [A]	20	21.73	23.04	23.91	26.10
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%				
<b>EFFICIENCY</b>					
MPPT efficiency	99.00%	98.00%	99.00%	99.90%	98.00%
<b>FEATURES / PROTECTIONS</b>					
Display type (LED/LCD)	Touch LCD Display with LED Indicators				
Communication Port	GPRS/ WIFI / RS-485/USB				
GFM/OT/ RCD/DC Rev Pol /Anti-Islanding /OOC	INTEGRATED				
DC Switch /PID feature	OPTIONAL				
Built-in AC/ DC SPD type	TYPE III, TYPE III				
<b>AMBIENT CONDITIONS</b>					
Operating Temperature Range	- 20 C + 60 C				
Protection level (IP)	IP65				
Cooling	Self-cooling				
Dimensions (W x H x D) mm /Weight	314x221x139mm / 7.5KG				
Warranty	10 years conditional warranty				
<b>IEC/BIS</b>	BIS 16169, BIS16221, IEC61727, IEC62116, IEC61000-1-2-3-4, IEC 62109-1/-2, IEC61683:1999, IEC 60068-2 (1,2,14,30)				