

POLYCAB SOLAR GRID TIE INVERTERS

EXCLUSIVE FOR RESIDENTIAL SMALL ROOFTOP SOLAR PROJECTS

SINGLE PHASE - 2KW / 3KW / 3.6KW / 4KW / 5KW / 6KW



LEADING FEATURES:

SUPERIOR EFFICIENCY

- Maximum efficiency upto 98.2%
- String Current 15A, compatible with high Power modules
- 150% PV configuration

HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC/AC in-built surge protection

INTELLIGENT MAINTENANCE

- Remote configuration and upgrade

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TECHNICAL SPECIFICATIONS

MODEL	PSIS-2K-SM1	PSIS-3K-SM1	PSIS-3.6K-SM1	PSIS-4K-SM2	PSIS-5K-SM2	PSIS-6K-SM2
Rating	2 KW	3 KW	3.6 KW	4 KW	5 KW	6 KW
INPUT (PV)						
Max. Input Voltage	500V			550V		
Max. PV configuration (STC)	150%			150%		
Rated Input Voltage	360V			360V		
Max. Input Current	15A			30A (2*15A)		
Max. Short Circuit Current	20A			40A (2*20A)		
Start Input Voltage	70V			90V		
MPPT Operating Voltage Range	50V-490V			70V-540V		
Max. Number of PV Strings	1			2 (1/1)		
No. of MPPTs	1			2		
OUTPUT (GRID)						
Rated AC Active Power	2,000W	3,000W	3,600W	4,000W	5,000W	6,000W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA	4,400VA	5,500VA	6,000VA
Max. AC Active Power (PF=1)	2,200W	3,300W	3,600W	4,400W	5,500W	6,000W
Max. AC Output Current	10A	15A	16A	20A	25A	27.3A
Rated AC Voltage	220V/230V/240V, L+N+PE					
AC Voltage Range	160V-300V (Adjustable)					
Rated Grid Frequency	50Hz/60Hz					
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)					
THDI	<3% (Rated Power)					
DC Current Injection	<0.5%In					
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)					
EFFICIENCY						
Max. Efficiency	97.5%	97.8%	97.8%	98.0%	98.2%	98.2%
European Efficiency	96.8%	97.3%	97.3%	97.0%	97.4%	97.4%
PROTECTION						
DC switch	Support					
Anti-islanding protection	Support					
AC overcurrent protection	Support					
AC short circuit protection	Support					
DC reverse connection	Support					
Surge Arrester	DC Type III / AC Type III					
Insulation detection	Support					
Leakage current protection	Support					
GENERAL						
Topology	Transformerless					
IP Rating	IP65					
Night Self Consumption	<1W					
Cooling	Natural cooling					
Operating Temperature Range	-25°C - 60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Noise(typical)	30dB					
Dimensions (W*H*D)	277mm*243mm*130mm			350mm*347mm*137mm		
Weight	4.96kg			8.5Kg		
HMI & COM						
Display	Wireless & APP +LCD					
Communication	WiFi / RS485 & GPRS (Optional)					
CERTIFICATION						
Grid Connection	IEC 61727					
Anti-Islanding Protection	IEC 62116					
Environmental Testing	IEC 60068-2 (1-2-14-30)					
Safety	IEC 62109-1, IEC 62109-2					
EMC	IEC 61000					
Efficiency Measurement	IEC 61683					
WARRANTY				7 Years		

NOTE :

①② The range of output voltage and frequency may vary depending upon different grid codes. Specifications are subject to change without advance notice.

Note: Specifications are subject to change

POLYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited')

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For Consumer Complaint Contact: Officer, Corporate Care Cell

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