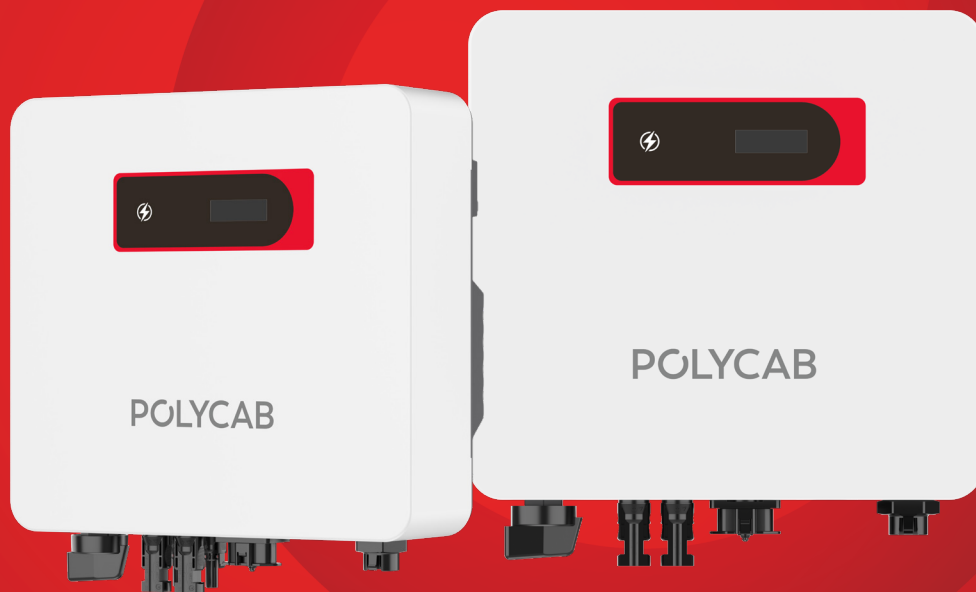


Grid Tie Solar Inverter



Suitable for Residential Rooftop Solar Projects under the PM Surya Ghar: Muft Bijli Yojana

Single Phase – Dual MPPT

Models : PSIS-4K6-2 | 5K0-2 | 5K5-2 | 6K0-2 | 6K6-2

Leading Features

Superior Efficiency

Maximum Efficiency up to 97%
Maximum String Current, Compatible with 600W+ Modules
150% PV Configuration

High Reliability

IP66 Waterproof and Dustproof, C5 Anti Corrosion
DC / AC Surge Protections
Compatible with Wide Power Grid Voltage and High Harmonic Power Grid Environment

Intelligent Maintenance

App Quick Commissioning
Remote Configuration and Upgrade

SINGLE PHASE & DUAL MPPT

PSIS-4K6-2 | 5K0-2 | 5K5-2 | 6K0-2 | 6K6-2

TECHNICAL SPECIFICATIONS						
Model	PSIS-4K6-2		PSIS-5K0-2	PSIS-5K5-2	PSIS-6K0-2	PSIS-6K6-2
Rating	4.6 kW		5 kW	5.5 kW	6 kW	6.6 kW
INPUT (PV)						
Max. Input Voltage	550V					
Max. PV configuration (STC)	150%*					
Rated Input Voltage	360V					
Max. Input Current	20A+20A					
Max. Short Circuit Current	30A+30A					
Start Input Voltage	50V					
MPPT Operating Voltage Range	40-540Vdc					
Max. Number of PV Strings	1+1					
No. of MPPTs	2					
OUTPUT (GRID)						
Rated AC Active Power	4600W	5000W	5500W	6000W	6600W	
Max. AC Apparent Power	5060VA	5500VA	6050VA	6600VA	7260VA	
Max. AC Active Power (PF=1)	5060W	5500W	6050W	6600W	7260W	
Max. AC Output Current	23A	25A	27.5A	30A	33A	
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 LD – 0.8 LG)					
EFFICIENCY						
Max. Efficiency	97%					
Europe Efficiency	96.2%	96.2%	96.3%	96.3%	96.3%	
PROTECTION						
DC Switch	Support					
Anti-Islanding Protection	Support					
AC Overcurrent Protection	Support					
AC Short Circuit Protection	Support					
DC Reverse Connection	Support					
Surge Arrester	DC/AC Type II					
Insulation Detection	Support					
Leakage Current Protection	Support					
GENERAL						
Topology	Transformer-less					
IP Rating	IP66					
Night Self Consumption	<1W					
Cooling	Natural Cooling					
Operating Temperature Range	-25°C to 60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Noise(typical)	30dB					
Dimensions (W*H*D)	297mm*282mm*145mm					
Weight	7.0 Kg					
HMI & COM						
Display	Wireless & APP+LED, LCD					
Communication	Wi-Fi (inbuilt), LAN/4G (Optional)					
COM1 Interface	USB					
CERTIFICATION						
Safety	IEC62109-1, IEC62109-2					
EMC	IEC61000					
Grid Code	IEC61727, IEC62116, IEC60068, IEC61683					
WARRANTY						
	8 Years					

Note : ®The range of output voltage and frequency may vary depending upon different grid codes as per the government regulations. Specifications are subject to change without advanced notice. *Conditions Apply based on PV Module Rating.

