



## 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 97%  
Maximum String Current, Compatible with 600W+ Modules  
150% PV Configuration, 110% Output Overload

#### 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

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
<b>INPUT (PV)</b>					
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				
Full Power MPPT voltage	120V-500V	130V-500V	150V-500V	160V-500V	180V-500V
Max. Number of PV Strings	1+1				
No. of MPPTs	2				
<b>OUTPUT (GRID)</b>					
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 <sup>®</sup>	160V-300V (Adjustable)				
Rated Grid Frequency	50Hz / 60Hz				
Grid Frequency Range <sup>®</sup>	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)				
<b>EFFICIENCY</b>					
Max. Efficiency	97%				
Europe Efficiency	96.2%	96.2%	96.3%	96.3%	96.3%
<b>PROTECTION</b>					
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				
<b>GENERAL</b>					
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				
<b>HMI &amp; COM</b>					
Display	Wireless & APP+LED, LCD				
Communication	Wi-Fi (inbuilt), LAN/4G (Optional)				
COM1 Interface	USB				
<b>CERTIFICATION</b>					
Safety	IEC62109-1, IEC62109-2				
EMC	IEC61000				
Grid Code	IEC61727, IEC62116, IEC60068, IEC61683				
<b>WARRANTY</b>					
	8 Years				

**Note :** <sup>®</sup><sup>®</sup>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.

