

PM SURYA GHAR MUFT BIJLI YOJNA

3KW ON-GRID SOLAR POWER GENERATION SYSTEM

KEY FEATURES



Grid-Connected with Net Metering Support

Connects directly to the grid with net-metering support for maximum savings.



Zero Battery Requirement

Zero battery requirement, ensuring lower system cost and minimal maintenance.



High-Efficiency TOPCon Bifacial Modules

High-efficiency TOPCon bifacial modules deliver stronger solar output.



Advanced Grid-Tie Inverter

Pure sine-wave, high-efficiency grid-tie inverter for stable, optimized power conversion.



Automatic Energy Export to Grid

Automatically exports excess solar energy to the grid for credit on your electricity bill.



Enhanced Safety Protection

Built-in safety layers including DC isolator, AC isolator, surge protection and smart monitoring.



Real-Time Remote Monitoring

Real-time system visibility through Wi-Fi / SIM / App-based remote monitoring.



Engineered for Indian Climate

Rugged and weather-resistant components engineered for Indian climate and grid conditions.



Direct Daytime Solar Power Usage

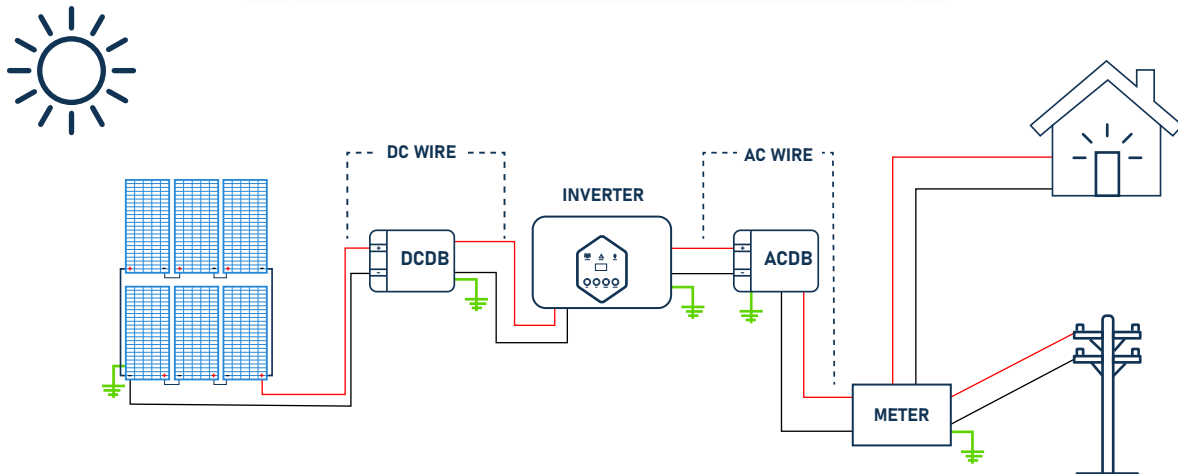
High-quality copper cabling minimizes transmission losses and ensures efficient energy flow across the system.



MPPT Technology







MPPT technology ensures optimized solar energy harvesting for maximum power generation.

ON-GRID SOLAR SYSTEM - DIAGRAM



MODEL NO. GCS T-AC 3000/1P

ADVANTAGES OF THE SAATVIK'S 3KW ON-GRID SOLAR KIT

- 
Provides a smooth, hassle-free solar experience with simple installation and effortless operation.
- 
Increases long-term financial value by reducing dependence on costly energy sources over the system's lifetime.
- 
Enhances overall system reliability with consistent daytime performance backed by quality engineering.
- 
Makes your home or business future-ready with a modern, sustainable energy solution.
- 
Performs efficiently across diverse household and commercial setups, making it adaptable for multiple applications.
- 
Enables smooth operation of high-power appliances by intelligently drawing additional power from the grid whenever needed.

Important Notes

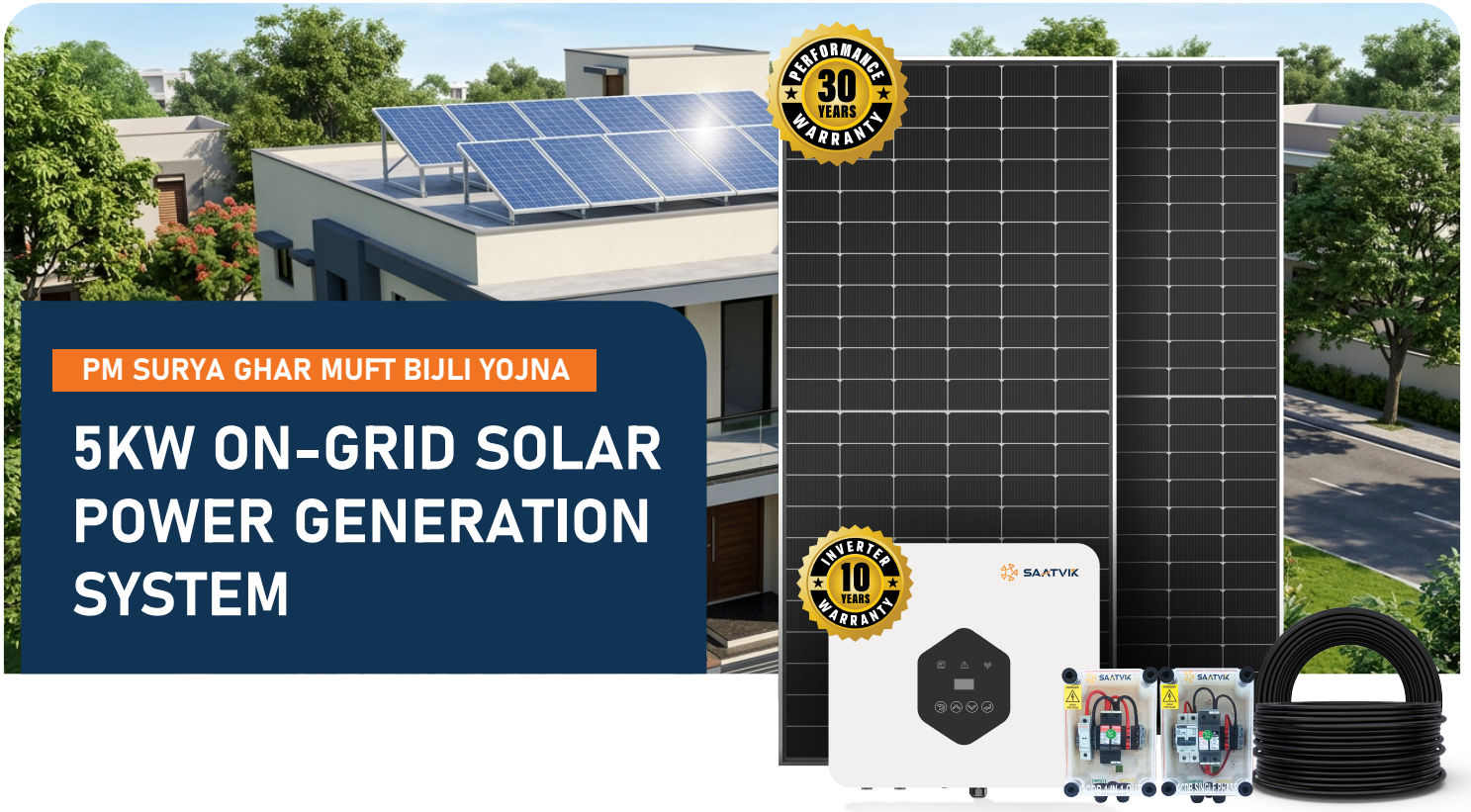
- *System operates only when the grid is available (anti-islanding safety).
- *Solar generation varies with weather and sunlight conditions.
- *Keep panels clean and free from shading for best performance.

*T&C Apply

Catalogue No.: SS/GCS/T/3K1P/0426

KIT COMPOSITION

Product	Specification	Qty.
Solar PV Module	580 Wp	6 nos.
Grid Connected Inverter	3.3kVA, 1P	1 no.
DCDB	3.9KW	1 no.
ACDB	3.3kVA	1 no.
Cu Solar Cable -Red & Black	4 sq.mm	30 m
MC4 Connectors	30A	1 Pair
Cu AC Cable, PVC	6 sq.mm, 3C	10 m
Pin type Cu lugs	6 sq.mm	12 nos.
UV-Protected Cable Ties	150 mm	1 Pack
Insulating Tape - Red & Black	3 m each	2 rolls
Installation & Operation Manual		1 Unit
Add-On 1		
Conventional Lightning Arrestor	1m HDG	1 no.
Earthing Electrode	1m L, 14 mm dia	3 nos.
Earthing Chemical	10 kg	1 bag
FRP Earth Chamber	300 mm dia	3 nos.
Copper Earthing Cable (Green)	6sq.mm	25 m
Ring type Cu lugs	6sq.mm	12 nos.
Wire Fixing Clips		1 doz
Add-On 2		
HDG MMS 2 Modules Block		3 set
Tools (Plier & Screw Driver Set)		1 set



PM SURYA GHAR MUFT BIJLI YOJNA

5KW ON-GRID SOLAR POWER GENERATION SYSTEM

KEY FEATURES



Grid-Connected with Net Metering Support

Connects directly to the grid with net-metering support for maximum savings.



Zero Battery Requirement

Zero battery requirement, ensuring lower system cost and minimal maintenance.



High-Efficiency TOPCon Bifacial Modules

High-efficiency TOPCon bifacial modules deliver stronger solar output.



Advanced Grid-Tie Inverter

Pure sine-wave, high-efficiency grid-tie inverter for stable, optimized power conversion.



Automatic Energy Export to Grid

Automatically exports excess solar energy to the grid for credit on your electricity bill.



Enhanced Safety Protection

Built-in safety layers including DC isolator, AC isolator, surge protection and smart monitoring.



Real-Time Remote Monitoring

Real-time system visibility through Wi-Fi / SIM / App-based remote monitoring.



Engineered for Indian Climate

Rugged and weather-resistant components engineered for Indian climate and grid conditions.



Direct Daytime Solar Power Usage

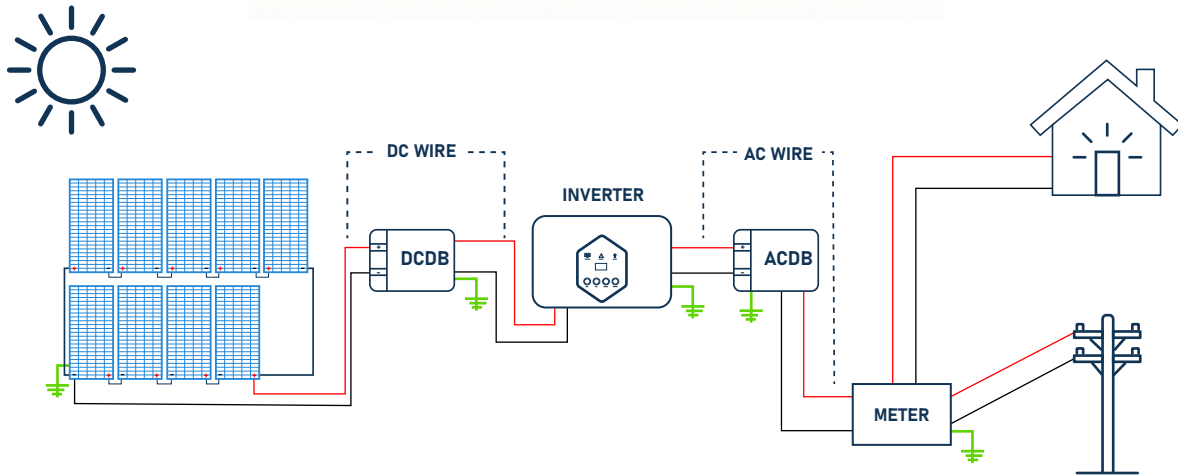
High-quality copper cabling minimizes transmission losses and ensures efficient energy flow across the system.



MPPT Technology







MPPT technology ensures optimized solar energy harvesting for maximum power generation.

ON-GRID SOLAR SYSTEM - DIAGRAM



MODEL NO. GCS T-AC 5000/1P

ADVANTAGES OF THE SAATVIK'S 5KW ON-GRID SOLAR KIT

- 
Provides a smooth, hassle-free solar experience with simple installation and effortless operation.
- 
Increases long-term financial value by reducing dependence on costly energy sources over the system's lifetime.
- 
Enhances overall system reliability with consistent daytime performance backed by quality engineering.
- 
Makes your home or business future-ready with a modern, sustainable energy solution.
- 
Performs efficiently across diverse household and commercial setups, making it adaptable for multiple applications.
- 
Enables smooth operation of high-power appliances by intelligently drawing additional power from the grid whenever needed.

Important Notes

- *System operates only when the grid is available (anti-islanding safety).
- *Solar generation varies with weather and sunlight conditions.
- *Keep panels clean and free from shading for best performance.

*T&C Apply

Catalogue No.: SS/GCS/T/5K1P/0426

KIT COMPOSITION

Product	Specification	Qty.
Solar PV Module	580 Wp	9 nos.
Grid Connected Inverter	5KVA, 1P	1 no.
DCDB	6.5KW	6.5KW
ACDB	5.5kVA	5.5KVA
Cu Solar Cable -Red & Black	4 sq.mm	40 m
MC4 Connectors	30A	1 Pair
Cu AC Cable, PVC	6 sq.mm, 3C	10 m
Pin type Cu lugs	6 sq.mm	12 nos.
UV-Protected Cable Ties	150 mm	1 Pack
Insulating Tape - Red & Black	3 m each	2 rolls
Installation & Operation Manual		1 Unit
Add-On 1		
Conventional Lightning Arrestor	1m HDG	1 no.
Earthing Electrode	1m L, 14 mm dia	3 nos.
Earthing Chemical	10 kg	1 bag
FRP Earth Chamber	300 mm dia	3 nos.
Copper Earthing Cable (Green)	6sq.mm	30 m
Ring type Cu lugs	6sq.mm	12 nos.
Wire Fixing Clips		2 doz
Add-On 2		
HDG MMS 2 Modules Block		5 set
Tools (Plier & Screw Driver Set)		1 set