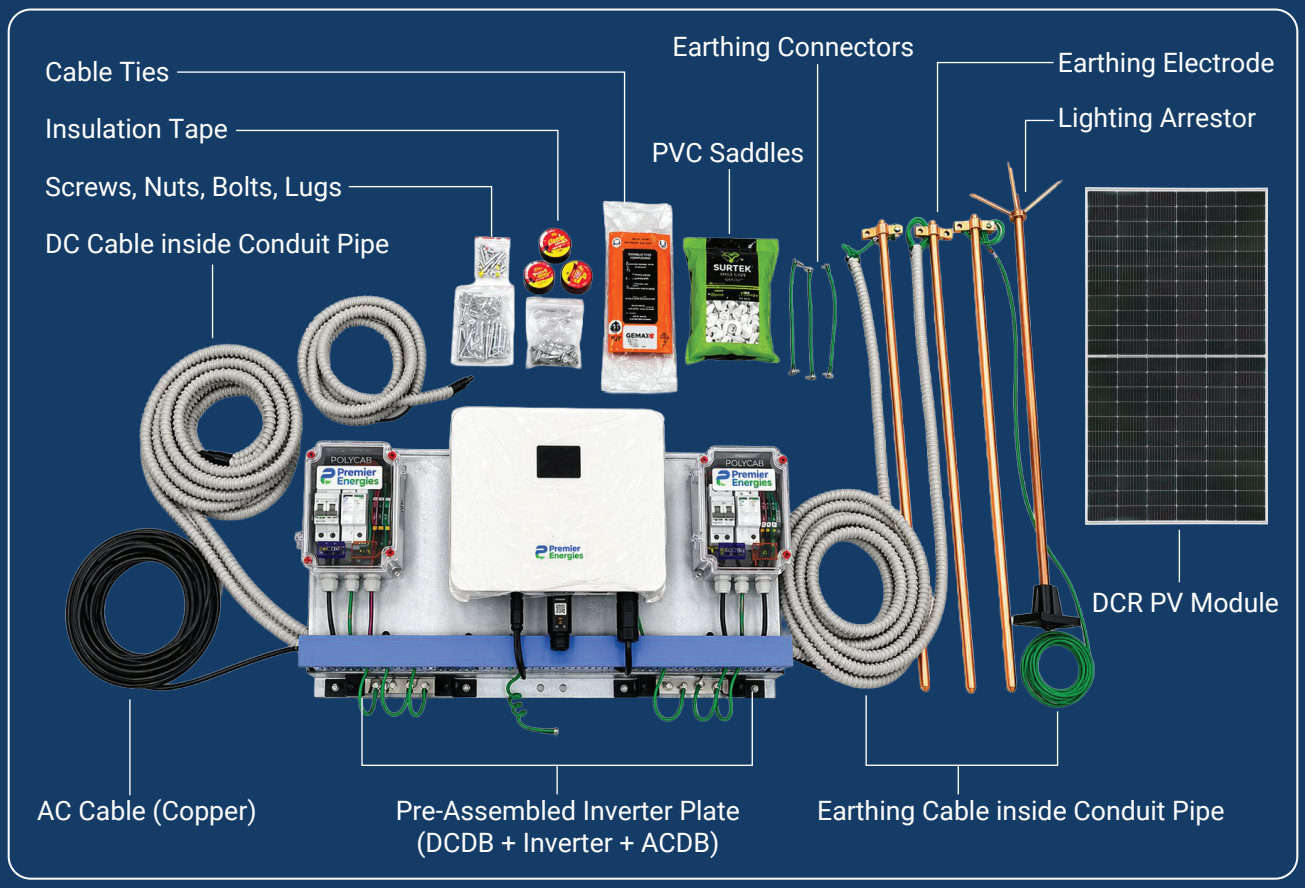
Premier Energies
SINCE 1995

PREMIER SURYA ONE

All-in-One Complete Solar Kit for PM Surya Ghar Yojana

- True Plug and Play Solar Kit
- Pre-Mounted Inverter Plate for Zero Error Installation
- Fully Terminated Wiring with Pre-Assembled ACDB & DCDB
- Installation Time Reduced from Hours to Minutes
- Uniform Quality, Factory Tested & Highly Reliable
- Compact, Modular & Transport Friendly Design



30 YEARS POWER OUTPUT WARRANTY BI-FACIAL PV MODULE | 8 YEARS WARRANTY SOLAR INVERTER

Premier® Energies
SINCE 1995

S.No	Component Name	Specifications	Unit	Quantity
1	PV Module	N-Type TOPCon Bi-Facial Solar Modules - Premier Make	600Wp	5
2	Solar Inverter	3KW On Grid Single Phase String Inverter	Nos	1
3	ACDB	AC Distribution Box (1–6 kW) between Inverter & Client LT: • 1 × 32A, 10 kA, 2 Pole MCB (Incomer) • Type 2 SPD, 2 Pole • Wall mounted design • IP67 Outdoor Polycarbonate enclosure	Nos	1
4	DCDB	DC Distribution Box (1–6 kW): • 1 In 1 Out, 32A DC MCB • Positive & Negative terminal blocks • DC SPD Type 2, 600 V • Polycarbonate enclosure with IP67 protection	Nos	1
5	DC Cables & Connectors	• 1C × 4 sq.mm Copper PV DC Cable, 1.1 kV, XLPO insulated (Red & Black) - 15/15.5* meters • Solar grade MC4 Type Connectors – Male & Female	Set	1
6	AC Cables	• 2C × 4 sq.mm Copper Flexible AC Cable, FRLS, suitable for inverter output	Meters	10/10.1*
7	Earthing Components	• 1C × 6 sq.mm Flexible Copper Earthing Cable (Green) - 20/21* meters • 1 m Copper bonded Earthing Electrode, 14 mm dia, 100 micron coating • Earthing Terminal Bench / Busbar	Set	1
8	Lightning Protection (LA)	• Conventional Type Lightning Arrester with 1 m copper bonded rod and multi spike arrangement	Nos	1
9	Lugs & Terminals	• SS 304 M4 × 25 Cheese Head Fasteners (Nut + Bolt + 2 Plain Washers + 1 Spring Washer) for module earthing • Ring Type Lugs – M4 for 6 sq.mm Copper Cable (Type 7083) • 6 sq.mm Copper Ring Type Lugs • 4 sq.mm Copper Pin Type Lugs for Inverter, ACDB & DCDB	Set	1 (38 Nos)
10	Cable Management	• UV protected Nylon Cable Ties (300 mm) for outdoor use • PVC Steel Wire Reinforced Flexible Conduit Pipe, 15 mm, Grey, 3 mm thickness • PVC Saddles for conduit pipes	Set	1
11	Conduits & Trays	• PVC Cable Tray – 45 × 45 × 1.2 mm	Packet	1
12	Insulation & Accessories	• Electrical PVC Insulation Tape – Red, Black & Green (Single phase identification)	Nos	3
13	Fasteners	• SS M5 × 20 CSK Type Fasteners • SS M6 × 20 mm Cheese Head Fasteners with two washers	Set	1 (22 Nos)

Terms and Conditions:

- Premier SuryaOne is a standardised 3 kWp solar kit and is intended for residential rooftop applications under PM Surya Ghar Yojana.
- Installation, site readiness, net metering approvals, and subsidy processing are the responsibility of the authorised installer or channel partner.
- All components are covered under manufacturer standard warranties, and no warranty applies for damages arising from improper installation or handling.
- Product specifications and components may be revised or substituted with equivalent items without impacting overall system performance.

*The updated cable length values included in this revision are applicable only to the new inverter models. For all previously deployed and currently circulating inverter models, the cable length specifications communicated earlier remain unchanged and shall continue to apply.

+91 7330 707 772 | channelsales@premierenergies.com | www.premierenergies.com

The specifications and key features contained in this factsheet may deviate slightly from the actual products due to ongoing innovation and product enhancement. Premier Energies reserves the right to make necessary adjustments to the information described herein at any time without further notice.