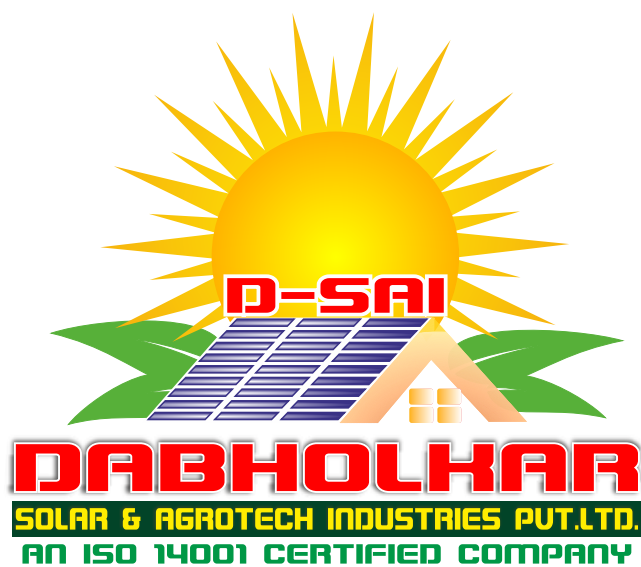




MONO PERC 550+Wp



Pravin Dasharath Bandekar
House No. 1919, Professor Colony
Kumbharwada Sawantwadi
Sindhudurg

Quotation No. 2024-25/714
Your Enquiry : Telephonic
Site Visit : Yes
Date : 04/08/2025
Contact No. : 9422080100

Thank you for reaching out to M/s.Dabholkar Solar & Agrotech Industries Private Limited (AN ISO 14001:2015 Certified Co.) for setting-up a On Grid Solar Power Plant. We are pleased to submit a Techno-commercial proposal, for setting-up a net metering based Solar Power Plant. On your Roof Top on Full Turnkey basis.

The working of 3 Kw. Solar System

The Solar System starts generating electricity as soon as 3 kW Solar Panels get sunshine . Each panel carrier a group of silicon photovoltaic (PV) cells. solar panels are arranged together to form solar array which amplifies their energy generation capacity.

As photons in sunlight strike solar cell, It set electrons free. The follow of these electrons generates DC electricity. A Solar inverter then converts the DC electricity to Ac electricity suitable to the run appliances and electronics. The Inverter also regulates the amount of electricity being fed the electrical grid. it ensures that only excess energy is sent to grid.

3 KW On Grid Solar System

also referred to as a grid-tied system an grid framework is the most economical solar system option and allows you to stay connected to the grid. A 3 Kw On grid System uses solar panels and an Inverter to supply low-cost electricity while sending the surplus to the grid.

AREA Required

To Install A 3 Kw Solar System, You Need Shade free Space of 300 Sq. ft.

Energy Output

- Daily Production: 12-15units (kilowatt-hours)-
- Monthly Production: 360-450units
- Annual Production: 4,320-5,400 units

Commercial Benefits For Society

- 1. Reduced Carbon Footprint: A 3 kW solar power plant can reduce carbon emissions by 3-4 tons per year, contributing to a cleaner environment.
- 2. Increased Energy Independence: By generating their own energy, businesses can reduce their reliance on grid power and enhance energy security.
- 3. Improved Air Quality: Solar energy produces no air pollutants, improving local air quality and public health.
- 4. Diversified Energy Mix: Solar energy can reduce dependence on fossil fuels and promote a diversified energy mix.
- 5. Economic Growth: Solar energy can create jobs and stimulate local economies.
- 6. Reduced Energy Poverty: By providing access to clean energy, solar power plants can help reduce energy poverty.
- 7. Improved Public Health: By reducing air pollution, solar energy can improve public health.
- 8. Increased Property Values: Solar power plants can increase property values and attract businesses.

website : www.dressssolar.in Email: info@dressssolar.in 9404347199 / 9404357199 / 9404487199
CIN U43222MH2024PTC421260, Pan AAKCD7146F, Tan No. MUMD34050C, GST 27AAKCD7146F1Z1, UDYAM-MH-31-0030517



ON GRID

Sr. No.	Particullars	Discription	Amount
1	Plant Capacity wp.	3270	1,76,000.00
2	GST @ 13.8%	12%@70% & 18%@30%	24,288.00
3	Govt Subsidy	Residential	78000
4	Actual Plant Cost	After Subsidy	1,22,288.00
5	Annual Power Generation	4774.2	57290
6	Annual Power Saving	4774.2	57290
7	Roi	2.13	1,22,288.00

Total Project cost with GST Rs. 2,00,000.00

List Of Material

Sr. No	Particullars	Discription	Qty	Brand
1	Solar Module	550 Watt. New Light DCR Module	6 Nos	Citizen Solar
2	Grid Intractive Inverter	3.4 Kw Single Ph.	1 No	Vsole
3	ACDB	SINGLE PHASE 32A 5Kw	1 No	Havells
4	DCDB	1IN-1OUT 600V (1 Series x ≤12 Panels)	1 No.	Havells
5	Mounting Structure	2mm Galv.Hot dip, & Al U, Z Clamp	3,300	Standerd
6	Lightning Arrestor	LA - 1 Meter, Copper Bonded, ABS Base	1 No	Kenbrook
7	Earthing Rod	Earthing Rod 1 Meter 16MM, Copper Bonded.	3 No	Kenbrook
8	Gen. Meter	As per specifications of DISCOM	1 No	L& T
9	DC Cable	4 Sq. mm UV protected Cu flexible Red 5 + Black 5	10 Mtrs.	Microteck/Polycab
10	AC Cable	2.5 MM	10 Mtrs.	Microteck/Polycab
11	Down Conductor	copper	3	Kenbrook
12	MC 4 Connector	MC4 Connector (1in 1) NBJH 1500V 30	2 Pair	Kenbrook
13	Miscellaneous Items	Connectors,Conduits, Nut Bolts, etc.	1 Set	Standerd
14	Liasoning Charges	DISCOM	1 Set	Standerd
15	Loading & Transport		1 Set	Standerd
16	Electric Hardware	Lugs, 4-6 SQ. MM PIN TYPE , Ring Type	1 Set	Standerd
17	Labour charges	Installation	3,300	DSAI



Exclusions:

Following expenses are not considered in quotation and shall be borne by you separately:

1. CT and Cubical if required by MSEB
2. Existing meter shifting if required by MSEB
3. Load Extension Work
4. Safety Railing if not existing

WARRANTY

Performance warranty 90% for 10 Years & 80% for 15 Years for PV Modules warranty is in the scope of manufacturer.

Solar Grid Inverter Warranty 8 Years the scop of manufacturer.

Off Grid Or Hybrid Inverter Warranty 2 years.

TERMS & CONDITIONS:

1. The above price quoted is including Supply on your premises.
2. Delivery: 1-2 weeks from ready stock after receipt of payment along with purchase order.
3. Validity: 6 days from the date of quotation.
4. GST Extra @ 13.8% (70% @12% & 30% @18%)

Payment Terms:

10% Advance Payment 70% After Documentation & Balance 20% will be after Installation with in 10 Days.

Validity:

The offer is valid for 6 days. We look forward to your response with great interest. We have provided all the basic information of the solar plant. If any query, please do not hesitate to contact the undersigned.

We wish to meet you to develop healthy discussion.

Thanking you & looking forward for your positive response.

Yours faithfully,

Dabholkar Solar & Agrotech Industries Pvt.Ltd.

Mr. Kishor Dabholkar

Account Details

Ac Name : Dabholkar Solar & Agrotech Industries Pvt. Ltd.

Bank Name: Canara Bank

AC No : 120029830431

IFSC : CNRB0015387



Scan & Pay



website : www.dressssolar.in Email: info@dressssolar.in 9404347199 / 9404357199 / 9404487199
CIN U43222MH2024PTC421260, Pan AAKCD7146F, Tan No. MUMD34050C, GST 27AAKCD7146F1ZI, UDYAM-MH-31-0030517



VSOLE[®]
TECHNOLOGY BEYOND IMAGINATION

India's 1st Solar PV Inverter with Latest Standards & Modern Technology



Redefining the **Solar World**
with Sustainable & Reliable
Solar Inverter.



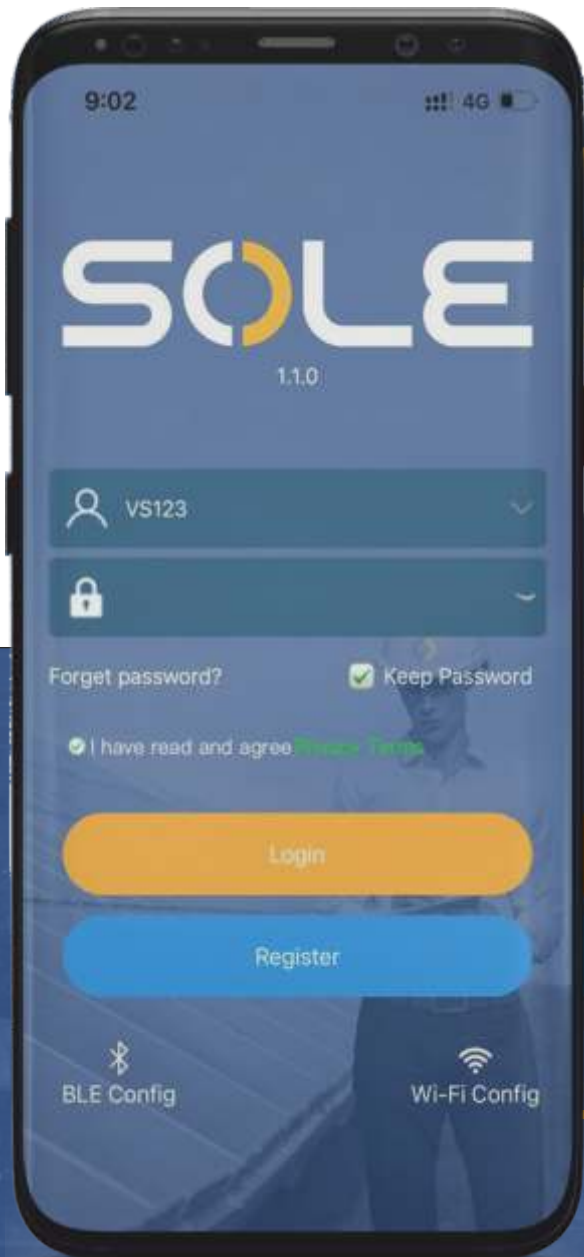
#startupindia



**AatmaNirbhar
Bharat Abhiyan**



CAPACITY (KW)	1	2	3	3.4	3.6	4.2	4.7	5	5.4	6
MODEL NUMBER	VS-101S	VS-201S	VS-301S	VS-341S	VS-361S	VS-422S	VS -472S	VS-502S	VS-542S	VS-602S
INPUT (DC)										
Max.DC input power (KW)	1.1	2.2	3.3	3.7	3.9	4.6	5.1	5.5	5.9	6.6
Max. DC I/P (Vdc)	550V									600V
Max. MPPT I/P Current (A)	20A									
MPPT Short Circuit Current (A)	30A									
MPPT Tracking Voltage (Vdc)	70-550V					80-550V				80-600V
Start-Up Voltage (V)	80V									
Number of MPPT Tracker	1					1/2				
Strings per MPPT Tracker	1									
OUTPUT (AC)										
Rated output power (KW)	1	2	3	3.4	3.6	4.2	4.7	5	5.4	6
Rated Grid Voltage (V)	230V									
Voltage Operating Range (V)	0.85Un - 1.1 Un									
Rated Grid freq. (Hz) / Range	50Hz (± 5%)									
Rated output current AC (A)	4.8	9.6	14.3	16.2	17.2	20	22.5	23.5	25.8	28.7
AC Connection	P + N + PE									
THDI (%)	<3%									
Output Power factor	0.8 leading to 0.8 lagging									
EFFICIENCY										
Max. conversion Efficiency (%)	97.5%									
Max. Euro Efficiency (%)	97.3%									
MPPT Efficiency (%)	>99%									
PROTECTION										
Anti-Islanding Protection	YES									
DC Reverse Polarity Protection	YES									
Insulation Resistance Protection	YES									
Ground Fault Protection	YES									
Output Over Current Protection	YES									
Output Short circuit Protection	YES									
Output Over Voltage Protection	YES									
DC Isolator Switch	NO									
Surge Protection	DC: Type II / AC: Type II									
GENERAL DATA										
Dimensions (W*H*D) mm	280W*310H*184D							305W*280H*180D		
Weight (Kg)	6.35							7.8		
Topology	Transformerless									
Noise Emission (dB)	≤25dB									
Display	LED with LCD Display									
Cooling Method	Natural Cooling									
Operating ambient Temperature	(-25°C ~ +65°C)									
Operating Humidity	0% - 100%									
Max. Operating Altitude (m)	2000m (>2000m Derating)									
Ingress Protection	IP65									
Standard Warranty	10 Years									
CONNECTION TYPE										
DC connectors	MC-4									
Ingress AC plug	IP65 rated plug									
Communication Modes	WiFi / GPRS / RS 485/ Local Monitoring									
Remote Monitoring	YES									



INTRODUCING

SOLE
SMART

TRACK ALL
YOUR
SOLAR PROJECTS
AT ONE PLACE

MONITOR



POWER GENERATION



INCOME



LIVE POWER



REDUCED CARBON EMISSION



ALARMS FOR PROBLEMS

SCAN TO DOWNLOAD **SOLE SMART MOBILE**
APPLICATION



ANDROID



IOS



CITIZEN SOLAR

solarising the nation

newlight SERIES

MONO PERC 550+Wp

144 Cell | 10 BB Cell

Mono Perc Half Cut Module

520wp to 560wp



Ideal For Large Scale Installations



High Power



Better Shading Tolerance



Lower LCOE & system cost



Excellent Temperature Performance



Non-Destructive Cutting

Module
Efficiency
□21.7%

Positive Power
Tolerance upto
0~+5wp

30 Years
Performance
Warranty

12 Years
Product
Warranty

PID
Resistant

ALMM
Approved
List by
MNRE*



www.citizensolar.com



+91 8000 111 222

TECHNICAL DATA

Electrical Data : All Data refers to STC (1000W/m², AM1.5G, 25°C)

Product Model Number	CSPL-144MHC -WF-520	CSPL-144MHC -WF-525	CSPL-144MHC -WF-530	CSPL-144MHC -WF-535	CSPL-144MHC -WF-540	CSPL-144MHC -WF-545	CSPL-144MHC -WF-550	CSPL-144MHC -WF-555	CSPL-144MHC -WF-560
	CSPL-144MHC -TF-520	CSPL-144MHC -TF-525	CSPL-144MHC -TF-530	CSPL-144MHC -TF-535	CSPL-144MHC -TF-540	CSPL-144MHC -TF-545	CSPL-144MHC -TF-550	CSPL-144MHC -TF-555	CSPL-144MHC -TF-560
Nominal Wattage (Pmax) Wp	520	525	530	535	540	545	550	555	560
No. of Cut Cells	144	144	144	144	144	144	144	144	144
Matrix Configuration	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6	12x6 II 12x6
Maximum Voltage (Vmp) V	41.14	41.29	41.45	41.60	41.75	41.90	41.95	42.10	42.25
Open Circuit Voltage (Voc) V	49.01	49.16	49.31	49.46	49.61	49.76	49.80	49.95	50.10
Maximum Current (Imp) A	12.65	12.73	12.80	12.88	12.95	13.02	13.12	13.19	13.26
Short Circuit Current (Isc) A	13.55	13.63	13.69	13.76	13.83	13.90	13.98	14.04	14.10
Fill Factor (F.F.) in %	78.37	78.45	78.60	78.61	78.71	78.80	79.00	79.15	79.28
Module efficiency (%)	20.14	20.33	20.53	20.72	20.91	21.11	21.3	21.5	21.7
Power Tolerance	0~+5wp	0~+5wp	0~+5wp	0~+5wp	0~+5wp	0~+5wp	0~+5wp	0~+5wp	0~+5wp



STC : 1000W/m² irradiance, 25°C cell temperature, AM1.5G spectrum according to EN 60904-3

Average relative efficiency reduction of <5% at 200W/m² according to EN 60904-1

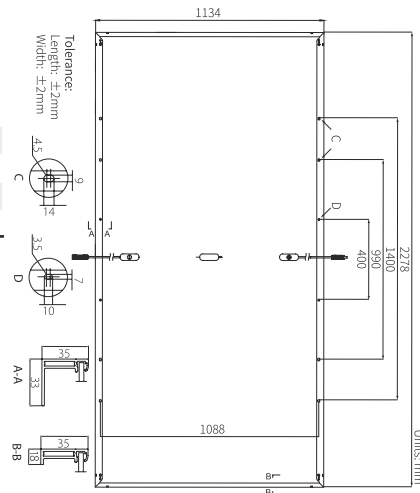
Electrical Parameters at NOCT

Maximum Power Pmax (Wp)	388.20	393.20	397.50	401.30	405.00	408.80	411.1	414.8	418.6
Maximum Power Voltage (V)	38.09	38.29	38.48	38.68	38.79	38.80	38.97	39.11	39.25
Maximum Power Current (A)	10.15	10.27	10.33	10.39	10.46	10.53	10.56	10.61	10.67
Open Circuit Voltage Voc (V)	45.75	45.94	46.17	46.41	46.54	46.49	46.82	46.97	47.11
Short Circuit Current Isc (A)	10.68	10.78	10.85	10.91	10.98	11.08	11.31	11.35	11.40

NOCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec

Temperature Coefficients (Tc) permissible operating conditions

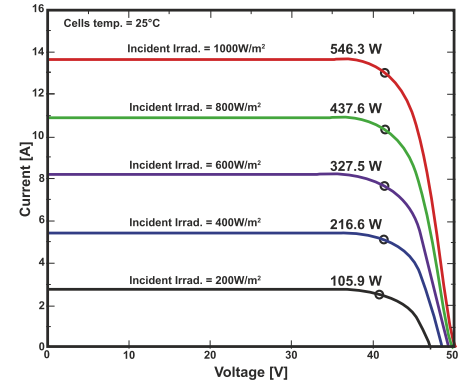
Maximum Series Fuse Ratings	25A
Maximum System Voltage	DC1500V(IEC/UL)



MECHANICAL DATA

Length x Width x Height (in mm)	2278 x 1134 x 35 (±1.5mm)
Weight	28 kg
Split Type Junction Box	IP68 Rated With 3 Bypass Diodes
Cable & Connectors	4sqm (12AWG) Solar Cable 300mm x 2nos black MC4 Compatible Connectors
Application Class	Class A (Safety Class II)
Substrate (Glass)	High Transmission, Low Iron, Tempered Glass, AR Coated
Solar Cells & Orientation	144 Nos Half Cut Mono PERC Solar Cells
Cells Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite Film - White / Transparent
Frame	Silver Anodized Aluminium Frame With Twin Wall Profile
Mechanical Load Test	Sustain Heavy Wind & Snow Load (2400Pa & 5400Pa Or 550Kg/m ²) Maximum Diameter Of 24mm With Hail Impact of 83Km/h

I-V CHARACTERISTICS AT DIFFERENT IRRADIANCE PV MODULE MODEL - CSPL-144 MHC-WF-545



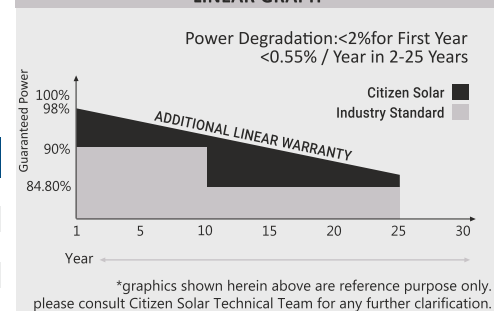
WARRANTY AND CERTIFICATIONS

Performance Warranty**	Linear Power Warranty for 30 years, 90% for 12 years and 80% for 30 years.
Approvals & Certificates	Products: IS:14286 / IEC:61215:2005-ED2, IEC:61730-Ed.1&ED.2

STACKING STANDARD

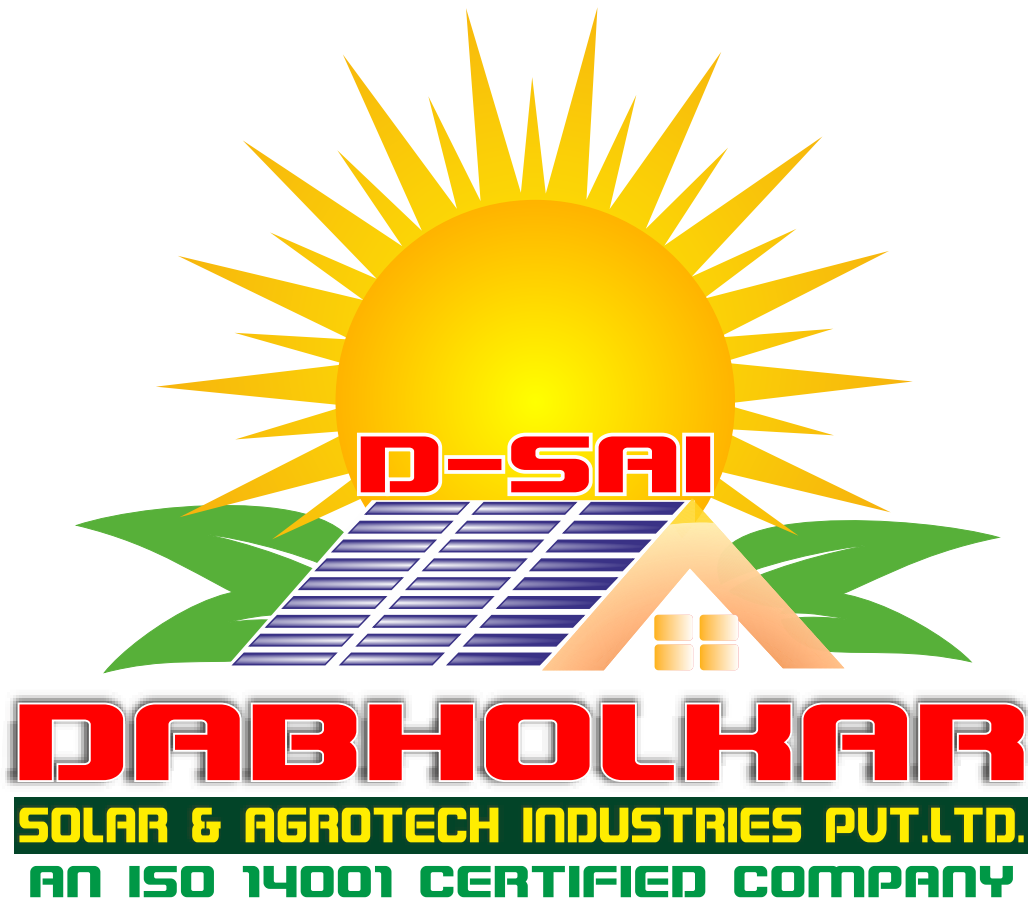
	No. of Modules	No. of Pallets	Modules Per Pallet / Pallet Weight	Pallet Dimensions
19FT	224 Nos.	8 Pallets	28 Nos. / 850 Kgs.	2300 x 1010 x 1300
32FT	336 Nos.	12 Pallets	28 Nos. / 850 Kgs.	2300 x 1010 x 1300
40FT	616 Nos.	22 Pallets	28 Nos. / 850 Kgs.	2300 x 1080 x 1300
20 GP Container	310 Nos.	10 Pallets	31 Nos. / 945 Kgs.	2300 x 1080 x 1300
40 HC Container	620 Nos.	20 Pallets	31 Nos. / 945 Kgs.	2300 x 1080 x 1300

LINEAR GRAPH



Declaration : With the technical progress and product updates, there exists a deviation between the technical parameter of the CITIZEN SOLAR's future products and the technical parameter in this specification. The CITIZEN SOLAR reserves the right to adjust the technical parameter at any time without notifying the customers. CITIZEN SOLAR reserves the final right of interpretation.

Go Green With us



COMPANY DETAILS

CIN : U43222MH2024PTC421260

PAN : AAKCD7146F

TAN : MUMD34050C

GST : 27AAKCD7146F1ZI

UDYAM : MH-31-0030517

GEM : GOVERNMENT E MARKETPLACE

ISO : 14001:2015 - UQ-2024032901

STARTUP : DIPP168768

ISO 14001:2015 (EMS) Environmental Management System

website : www.dressssolar.in Email: info@dressssolar.in 9404347199 / 9404357199 / 9404487199
CIN U43222MH2024PTC421260, Pan AAKCD7146F, Tan No. MUMD34050C, GST 27AAKCD7146F1ZI, UDYAM-MH-31-0030517

DSAI

ON GRID OFF GRID SOLAR SYSTEMS CUSTOM DESIGN AGRICULTURE & FOOD PROCESSING EQUIPMENTS