

GRM Green Solar Energy System

MNRE National Portal registered Vendor



Our Best Services

- Solar Energy Consultation
- System Design and Engineering
- Installation Services
- Maintenance and Support
- Performance Monitoring
- Permitting and Compliance
- Energy Storage Solutions

✓ PM Subsidy details - For - Residential in TN

Traiff: LAIA / Installation loads

Load : 1 KW - 30,000.00

Load : 2 KW - 60,000.00

Load : 3 KW to 10 KW - 78,000.00

Traiff: LAID (Common Area)

Per KW : 18,000.00



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Our AIM :

Improve your Future
Empowering your home or business with sustainable, cost-effective solar energy solutions tailored to maximise efficiency and savings.

✓ Important Note:-

1. The subsidy amount will be credited directly to your bank account within 30 days after completing the Net meter installation.

2. Solar Panel Warranty - 25 Years

3. Solar Inverter's Warranty – 5 to 10 Years

4. Additionally, Banks are offering loans under this Scheme for Eligible Applicants.

5. Solar Net Meter Cost to be paid by Applicant to EB



Office Address:-

153-C7 Salem Road,
Nearby LMR Theatre
Namakkal - 637 - 001
GSTN: 33AACFG4873DIZO

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➤ Average per KW Annual & per bill Generation Units

Month	KWH/Sq. m /day	Top con panel Efficiency 24%	Total Load in KW	Per day Generation Unit (KWH)	Per Month Generation Units (KWH)
Dec	5.00	3.57	1	4	107
Jan	5.82	4.15	1	4	125
Feb	6.50	4.64	1	5	139
Mar	6.64	4.74	1	5	142
Apr	6.04	4.31	1	4	129
May	5.82	4.15	1	4	125
Jun	5.06	3.61	1	4	108
Jul	4.51	3.22	1	3	97
Aug	4.44	3.17	1	3	95
Sep	4.78	3.41	1	3	102
Oct	4.57	3.26	1	3	98
Nov	4.52	3.23	1	3	97
Per Year Generation Units (KWH)					1364 Units
Average per bill (Two Months Once) GUF					227 Units

ON GRID SOLAR POWER SYSTEM

SOLAR PANELS → INVERTER → NETMETER → UTILITY GRID → HOME

➤ **On-grid solar system**

Guide to designing off-grid and hybrid solar systems

Solar Panels → DC → Solar Inverter → AC → Switchboard → AC → Multi-mode inverter (bi-directional inverter/charger) → DC → Battery

Grid → AC → Multi-mode inverter (bi-directional inverter/charger) → AC → Switchboard → AC → Home Appliances


Diagram - Basic configuration of an AC coupled hybrid grid-connected power system

➤ **Off-grid solar system**

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1. How much is your EB bill ??
2. How much Unit's (KWH) Consuming in the EB (For 60days)??
3. Finally Decide your requirements for Solar plant Capacity  (KW)

Your Bill Value is	Solar Plant Capacity	Based on EB bill 60days Once (GUF)	Annual Generation of units (GUF)
Rs 0.00 to Rs 1000.00	1Kw	230Kwh to 300Kwh	1350Kwh to 1850Kwh
Rs 1000.00 to Rs 2500.00	2Kw	450Kwh to 600Kwh	2750Kwh to 3600Kwh
Rs 2500.00 to Rs 5000.00	3Kw	650Kwh to 900Kwh	4000Kwh to 5450Kwh
Rs 5000.00 to Rs 7500.00	4Kw	900Kwh to 1200Kwh	5450Kwh to 7300Kwh
Rs 7500.00 to Rs 11,000.00	5Kw	1100Kwh to 1500Kwh	6800Kwh to 9100Kwh
Rs 11,000.00 to Rs 14,500.00	6Kw	1350Kwh to 1800Kwh	8100Kwh to 10900Kwh
Rs 14,500.00 to Rs 17,500.00	7Kw	1550Kwh to 2100Kwh	9500Kwh to 12700Kwh
Rs 17,500.00 to Rs 20,500.00	8Kw	1800Kwh to 2400Kwh	10900Kwh to 14600Kwh
Rs 20,500.00 to Rs 23,500.00	9Kw	2000Kwh to 2700Kwh	12200Kwh to 16400Kwh
Rs 23,500.00 to Rs 27,500.00	10Kw	2200Kwh to 3000Kwh	13650Kwh to 18250Kwh

➤ Find the Solar Plant KW wise Installation Rate card

Solar Plant Capacity	Installation rate (A)	PM Subsidy rate (-B)	Final amount spent on Solar Installation (A) - (B)
1Kw	99,000.00	30,000.00	69,000.00
2Kw	1,52,000.00	60,000.00	92,000.00
3Kw	2,10,000.00	78,000.00	1,32,000.00
4Kw	2,45,000.00	78,000.00	1,67,000.00
5Kw	3,25,000.00	78,000.00	2,47,000.00
6Kw	3,45,000.00	NDCR	3,45,000.00
7Kw	3,70,000.00	NDCR	3,70,000.00
8Kw	4,20,000.00	NDCR	4,20,000.00
9Kw	4,70,000.00	NDCR	4,70,000.00
10Kw	5,22,100.00	NDCR	5,22,100.00

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- The invested amount in the solar system is expected to be recovered (**Return on Investment**) within years

Solar Plant Capacity	EB bill Value	Per Year EB bill value	Final amount spent Solar Installation	Return on Investment
1Kw	1,000.00	6,000.00	69,000.00	Above 7 Years
2Kw	2,500.00	15,000.00	92,000.00	5 to 6 Years
3Kw	5,000.00	30,000.00	1,32,000.00	4 to 5 Years
4Kw	7,500.00	45,000.00	1,67,000.00	3 to 4 Years
5Kw	11,000.00	66,000.00	2,47,000.00	3 to 4 Years
6Kw	14,500.00	87,000.00	3,45,000.00	3 to 4 Years
7Kw	17,500.00	1,05,000.00	3,70,000.00	3 to 4 Years
8Kw	20,500.00	1,23,000.00	4,20,000.00	3 to 4 Years
9Kw	23,500.00	1,41,000.00	4,70,000.00	3 to 4 Years
10Kw	27,500.00	1,65,000.00	5,22,100.00	3 to 4 Years

- After Solar Installation – Electricity Bill & Net Meter Charges

Solar Plant Capacity	EB bill Value	Based on the EB bill 60days Once (GUF)	After Solar Installation you pay only (Bi monthly)
1Kw	1,000.00	300Kwh	95
2Kw	2,500.00	600Kwh	191
3Kw	5,000.00	900Kwh	286
4Kw	7,500.00	1200Kwh	382
5Kw	11,000.00	1500Kwh	477
6Kw	14,500.00	1800Kwh	572
7Kw	17,500.00	2100Kwh	668
8Kw	20,500.00	2400Kwh	763
9Kw	23,500.00	2700Kwh	859
10Kw	27,500.00	3000Kwh	954

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We use and recommend high-quality, reliable components for our solar installations. Below are the brands we trust:

☀️ Solar Panels – **Brand : (Vikram, Adani, TATA & Goldi)** – DCR & NDCR

- ✓ High efficiency, long warranty – 25years.
- ✓ Tier-1, durable and cost-effective.
- ✓ Excellent performance in Indian weather conditions

Type of Panel's :

- ✓ Mono prec - Efficiency – 20% - Wp – 545Watts
- ✓ Bifacial - Efficiency - 20% - Wp – 560Watts
- ✓ Bifacial N-Type Topcon – 24% - Wp – 595Watts

⚡ Solar Inverters:- (Polycab , Havells & Growatt)

- ✓ Smart monitoring features, stable performance
 - ✓ Hybrid-ready, highly efficient
 - ✓ Compact design, easy maintenance
 - ✓ Solar Inverter Warranty – 7 to 10years
- ❖ We ensure that all products used are MNRE-approved, meet industry standards, and come with manufacturer warranties.