

**AWARDED THE BEST SOLAR
COMPANY IN KERALA**

**REAL
VALUE**

**THE ADVANTAGE
OF QUALITY SOLAR**

**30 MWp TRACK RECORD
10 MWp REPEAT ORDERS**

1.25 MWp Kudavillingili Resort, Maldives

**Moopens**
Energy Solutions Pvt. Ltd.



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GREEN LIFE E

Key On-Grid Project



MAR SLEEVA[®]
medicity palai
A Temple of Health



MVR
CANCER CENTRE &
RESEARCH INSTITUTE



**GENERAL HOSPITAL Ltd &
SPECIALITY SURGICAL
CENTRE**



**HOTEL
Maria
INTERNATIONAL**

TRUTUFF
SAFETY GLASS PVT. LTD



**Maria Theresa
Hospital**

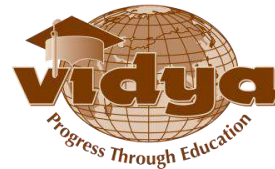
Kuda Villingili
Time and Space Redefined



AB
AJMAL BISMI GROUP



KANCOR[®]
Ingredient Solutions Partnership



**KORAMBAYIL
HOSPITAL & DIAGNOSTIC
CENTRE**

CRESCENT MEDICAL CENTRE ALATHUR



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GREEN LIFE

ABAD
Nucleus Mall

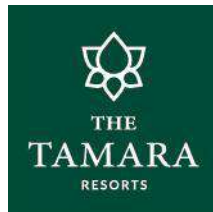
Mother Hospital (P) Ltd.
Mother's touch in medical care



akay



RaK
MART



LOURDES HOSPITAL

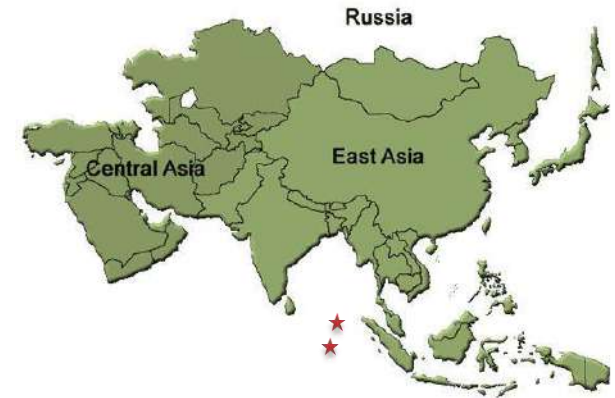




About Us



- ❖ A premium Renewable Energy Systems Solution Provider in Asia
- ❖ Proven track record of **30 MWp** On Grid Solar installations
- ❖ **10 MWp Repeat Customer Orders**. Testimonial to our service delivery
- ❖ Focused meticulously to customer satisfaction and support
- ❖ Supplier of world class technology products with Superior Technical Specifications and Warranty Terms
- ❖ Approved **MNRE Channel Partner** for both Off Grid & On Grid
- ❖ We are an ANERT Empanelled Company
- ❖ Supported by the highly recognized and trusted **Moopens** brand
- ❖ We provide **customized** and **affordable high Quality** Clean Energy Solutions
- ❖ Meticulous project management and on time completion of projects
- ❖ Highly qualified management team and trained technical work force

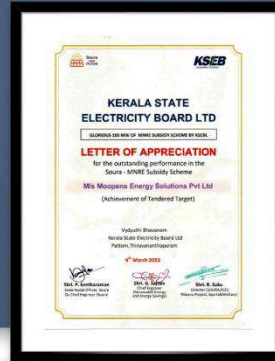


Products & Services

- ❖ Solar On-Grid Power Systems
- ❖ We undertake large turnkey solar design, execution and installation & commissioning services
- ❖ From Energy audit & Installation to Commissioning & After-sales support, we provide a complete hassle-free experience to our customers.
- ❖ Assured highest quality products and expertise



STATE LEVEL AWARDS



CEO of the Year



State Customer's Choice Award
EPC(Residential & C & I)



Solar EPC Company of the Year-
Residential



State Market Leader Award-EPC



Best Project of the Year-Rooftop

KERALA STATE RENEWABLE ENERGY AWARD 2018



EPC Company of the Year: Residential
(NATIONAL LEVEL)

Excellence in Business Management Leadership
(NATIONAL LEVEL)

Leadership Team

Management Team: We are led by known visionaries and Business pioneers in South Asia.



Mohammed Fayaz – CEO & Director - Operations

Mr. Mohammed Fayaz, an MBA graduate from Oxford University, UK, brings the dynamic leadership to our team. Mr. Fayaz graduated in Mechanical Engineering, and previously worked at a leading automobile company in India. He is the founder & CEO of Monte Ascendz Management Consulting. He is responsible for strategy and customer interactions. He is passionate about trekking, wildlife and travelling.



Mohammed Zakir, Managing Director

Mr. Mohammed Zakir is a business leader in South India; leading many ventures in Asia and the Middle-East. Mr Zakir is the Managing Director of KAP(India) Projects & Constructions Pvt Ltd – a premier Construction Company in South India.



Bijith Moopen, Co-Founder & Director

A Computer Science graduate from Georgia Tech with 17 years of experience in Communications Industry and many business ventures. Currently manages Technology product development for a Telecom giant. Mr. Moopen is passionate about environmental issues and also serves in non-profit organizations in Dallas, TX



Muhammed Shaphy, Co-Founder & Director

A Computer Science graduate with 15 years of experience in Power, Energy & Communications Industry. Currently an Associate Director at a US Telecom giant. Mr Shaphy has a successful track record of new business ventures. Mr Shaphy is a promoter of causes among communities in Texas



Neeraj R Nair – Director - Operations

Mr. Neeraj Ramachandran Nair, a Master of Science graduate from University of Hertfordshire UK, brings the energy and passion to our team. Mr. Neeraj graduated in Automotive Engineering, and previously worked as CEO & Director of a Solar Company in Kerala. He is responsible for Operations and team coordination. He is passionate about automobiles & latest technologies.



Mohammed Shiyas – Director - Technical

Mr. Mohammed Shiyas, a B.Tech in Electrical Engineering, has a lot of years of experience in renewable energy, especially Solar. He was involved in development of the world's first Solar Boat, as per Limca Book of Records. An entrepreneur himself, he is passionate about R&D, camping and photography.

An Indicative Return On Investment for a 100kWp On Grid Solar Power Plant



EXCELLENT ROI

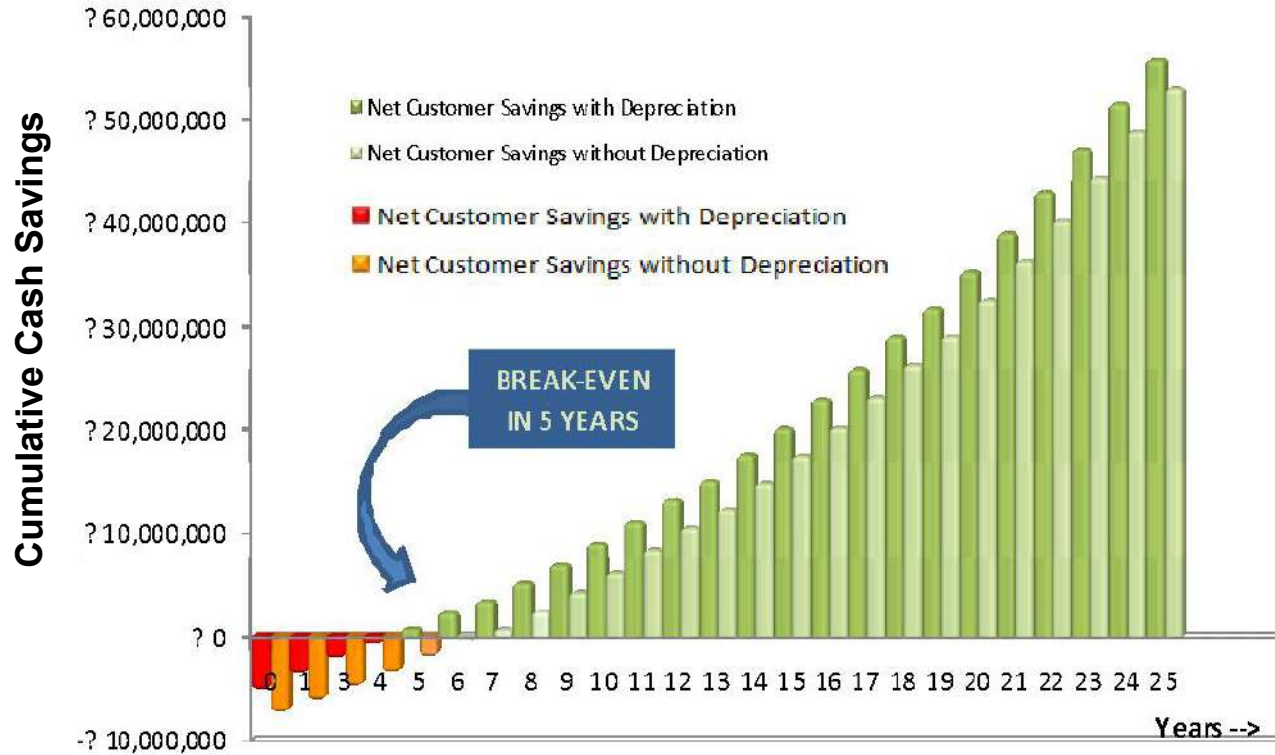
Solar power saves your electricity and diesel consumption bills, thus gives you an excellent return on your investment, with payback in 5 to 6 years.

ACCELERATED DEPRECIATION!

80% accelerated depreciation (Income Tax) for 1st year, 99% Depreciation in 3 years! That gives you tax benefit and real cash savings!

HEDGE!!

By investing in Solar, you get a 25 years warrantied product and a hedge against future increases in diesel and electricity costs!



- Price/ KWp : 75,000/-
- Present Tariff (Rs/Unit) : Rs. 8/-
- Average Solar Units Generated/Day (kWh) : 4 Units

Ranked No.1 Distributed Solar Company in Kerala

- KSEBL Soura - 15000 kWp On Grid



Dr. Xavier Mathew 10 kWp

Shyamala 9 kWp

Siju T.H 7 kWp

Moosa K.T 7 kWp



Georgekutty 6 kWp

Muhammed Rafi 4 kWp

Ummer P.T 3 kWp

Muhammed Afzal P 3 kWp

- **Client** : KSEBL – Soura S3, Kerala
- **Capacity & Type** : 15000 kWp – On Grid
- **Inverters** : Sofar / Growatt / Foxess

- **Solar Panels** : Pennar 335 Wp
Poly Crystalline, DCR
Gautam 440 Wp / Goldi 550 Wp
Mono Crystalline, DCR



Moosa Uppunnikuzhi 3 kWp



Madhusoodhan M.P 3 kWp



Prabhash 3 kWp



Hussain 3 kWp



Vijayan M 3 kWp



Basheer K.S 3 kWp



Harikumar M 3 kWp



Adarshraj 3 kWp



T V Devassy 3 kWp



Arbin Joseph 3 kWp



Alexander Thomas 3 kWp



Ambujakshan A.K 3 kWp



Davis V.T 3 kWp



Sayyidalijamalullailythangal 3 kWp



Sasi V.S 3 kWp



Abdul Basheer 3 kWp



Mathew K.C 3 kWp



Muhammed 3 kWp



Ibrahimkutty 3 kWp



Sivadasan 3 kWp



Ajith Kumar 3 kWp



Jess Varghese 3 kWp



Dr. Raghu Prasad 3 kWp



Mathewkutty M A 3 kWp

MFAR-Kuda Villingili Resort, Maldives-1.25 MWp - On Grid



2023



- **Client** : MFAR-Kuda Villingili Resort
Maldives
- **Capacity & Type** : 1250 kWp-On Grid
- **Inverters** : Sungrow SG 110 CS
- **DG Sync** : iPLON GmbH(Indian Office)
- **Solar Panels** : Longi 550 Wp
Mono Perc Crystalline

Lisie Hospital, Cochin-1 MWp-On Grid



2016

- Client : Lisie Hospital, Ernakulam
- Capacity & Type : 1,000 kWp – On Grid
- Inverters : SMA –Sunny Tri Power Germany
- Solar Panels : 270Wp/295Wp Poly-Crystalline SolarWorld, Germany

MVR Hospital, Kozhikode-1 MWp-On Grid

2018



- Client : MVR Cancer Hospital, Kozhikode
- Capacity & Type : 1000 kWp – On Grid
- Inverters : SMA –Sunny Tri Power Germany
- Solar Panels : Solar World 325Wp Mono Germany Jinko 320Wp Poly-Crystalline

Media One Studio, Kozhikode-600 kWp-On Grid



- Client : Media One Studio Kozhikode
- Capacity & Type : 600 kWp – On Grid
- Inverters : GoodWe 80 kVA
- Solar Panels : 450Wp Longi Module

Amala Hospital, Thrissur-606 kWp-On Grid

2019



- Client : Amala Hospital, Thrissur
- Capacity & Type : 606 kWp – On Grid
- Inverters : SolarEdge 82.8 kVA & 27.6 kV, SMA- Sunny Mini Central SMA Sunny Tri Power, Germany
- Solar Panels : 345Wp REC Module
295Wp Mono- Solarworld
250Wp Jinko Solar

Daya Hospital, Thrissur-500 kWp-On Grid



2020

- Client : Daya Hospital, Thrissur
- Capacity & Type : 500 kWp – On Grid
- Inverters : SolarEdge 82.8 kVA
Israel
- Solar Panels : 280 Wp Mono-Crystalline
Solarworld - Germany

Thankam Hospital, Palakkad-340 kWp-On Grid

2023



- **Client** : Thankam Hospital of PMRC, Palakkad
- **Capacity & Type** : 340 kWp – On Grid
- **Inverters** : SolarEdge 100 kVA x 2, 66.6 kVA x 1, Israel
- **Solar Panels** : JA Solar - 550 Wp Mono-Crystalline China

Crescent Hospital, Palakkad-251 kWp-On Grid

2021



- **Client** : Crescent Hospital, Palakkad
- **Capacity & Type** : 251 kWp – On Grid
- **Inverters** : SolarEdge 82.8 kVA & 27.6 kVA & 8 kVA - Israel
- **Solar Panels** : REC 395 Mono Perc Crystalline Germany

O by Tamara, Coimbatore-250 kWp-On Grid

2023



- Client : O by Tamara, Coimbatore
- Capacity & Type : 250 kWp – On Grid
- Inverters : Solis - 110 kVA x 2
China
- Solar Panels : Longi - 545 Wp
Mono-Crystalline
China

Amana Toyota, Perinthalmanna-215 kWp-On Grid



- **Client** : Amana Toyota Perinthalmanna
- **Capacity & Type** : 215 kWp – On Grid
- **Inverters** : SMA-Sunny Tri Power 60-10 Germany
- **Solar Panels** : 290 Mono-Crystalline SolarWorld Germany

Maria Theresa Hospital, Mala-200 kWp-On Grid

2021



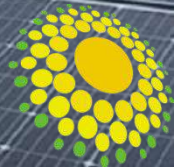
- **Client** : Maria Theresa Hospital
Kuzhikattussery, Thrissur
- **Capacity & Type** : 200 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel
- **Solar Panels** : REC 350 Poly Perc Crystalline
Germany

Marsleeva Hospital, Kottayam-200 kWp-On Grid



2018

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- **Client** : Marsleeva Hospital, Palai, Kottayam
- **Capacity & Type** : 200 kWp – On Grid
- **Inverters** : SMA-Sunny Tri power Germany
- **Solar Panels** : 300 Wp/310 Wp Mono Crystalline Solar World Germany, REC Norway

Samaritan Hospital, Pukkattupady-200 kWp-On Grid



- **Client** : Samaritan Hospital
Kizhakambalam
- **Capacity & Type** : 200 kWp – On Grid
- **Inverters** : SMA-Sunny Tri power 60-10
Germany
- **Solar Panels** : 280Wp Mono-Crystalline
SolarWorld, USA-High
efficiency, Germany

Bismi Hypermarket, Muvattupuzha-200 kWp-On Grid

2019



- **Client** : Bismi Hyper Market Muvattupuzha
- **Capacity & Type** : 200 kWp – On Grid
- **Inverters** : SMA - Sunny Tri Power Germany
- **Solar Panels** : SolarWorld 290 Wp Mono Germany

Bismi Hypermarket, Palakkad-182 kWp-On Grid

2017



- Client : Bismi Hyper Market Palakkad
- Capacity & Type : 182 kWp – On Grid
- Inverters : SMA - Sunny Tri Power Germany
- Solar Panels : 280Wp-Bisun modules SolarWorld Germany

Korambayil Hospital, Malappuram-162 kWp-On Grid

2014



- **Client** : Korambayil Hospital, Manjeri Malapuram
- **Capacity & Type** : 162 kWp – On Grid
- **Inverters** : SMA –Sunny Mini Central Germany
- **Solar Panels** : 250Wp poly-Crystalline Jinko Solar

Divine Retreat Centre, Chalakudy-150 kWp-On Grid

2019



- **Client** : Divine Retreat Centre, Muringoor
- **Capacity & Type** : 150 kWp – On Grid
- **Inverters** : SolarEdge 82.8kVA Israel
- **Solar Panels** : REC 345 Wp Poly Perc Crystalline Norway, Singapore

Trutuff Safety Glass Pvt Ltd, Palakkad-150 kWp-On Grid



2020

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- **Client** : Trutuff Safety Glass Pvt Ltd, Palakkad
- **Capacity & Type** : 150 kWp – On Grid
- **Inverters** : SolarEdge 82.8kVA, Israel
- **Solar Panels** : REC 395 Wp Mono Perc Crystalline
- **Location** : Norway, Singapore

Kancor Ingredients Limited, Angamaly-150 kWp-On Grid



2020

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- **Client** : Kancor Ingredients Limited, Angamaly
- **Capacity & Type** : 150 kWp – On Grid
- **Inverters** : SolarEdge 82.8kVA , Israel
- **Solar Panels** : Waaree 380 Wp, Mono Perc Crystalline, India

Mount Seena School, Pathiripala-150 kWp-On Grid

2023



- **Client** : Mount Seena Public School, Pathiriplala, Palakkad
- **Capacity & Type** : 150 kWp – On Grid
- **Inverters** : SolarEdge - 27.6 kVA, 17 kVA & 66.6 kVA, Israel
- **Solar Panels** : Longi - 545 Wp Mono - Crystalline China

Yatch Club, Cochin-140 kWp-On Grid

2020



- Client : Yatch Club, Cochin
- Capacity & Type : 140 kWp – On Grid
- Inverters : SolarEdge 82.8 kVA, 27.6x2 Israel
- Solar Panels : REC 395 Wp Mono Perc Crystalline Norway, Singapore

Vidya Engineering College, Thrissur-125 kWp-On Grid

2018



- Client : Vidya Engineering College Thrissur
- Capacity & Type : 125 kWp – On Grid
- Inverters : SMA –Sunny Tri Power 25000TI-30, Germany
- Solar Panels : 295 Wp Mono-Crystalline SolarWorld, Germany

Holycross Hospital, Pathanamthitta-125 kWp-On Grid



2018

- **Client** : Holy cross Hospital Pathanamthitta
- **Capacity & Type** : 125 kWp – On Grid
- **Inverters** : SMA –Sunny Tri Power 60 Germany
- **Solar Panels** : 280Wp Mono-Crystalline Solar World, Germany

Medical Trust Hospital, Kochi-104 MWp-On Grid



- **Client** : Medical Trust Hospital Kochi
- **Capacity & Type** : 1000 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel
- **Solar Panels** : 455 Wp Mono-Crystalline Longi, China

Mother Hospital, Thrissur -101.25 kWp-On Grid

2013



- Client : Mother Hospital, Thrissur
- Capacity & Type : 101.25 kWp – On Grid
- Inverters : SMA –Sunny Mini Central Germany
- Solar Panels : 250 Wp Mono-Crystalline (Emmvee), India

Lourdes Hospital, Cochin-100.50 kWp-On Grid

2014



- Client : Lourdes Hospital, Ernakulam
- Capacity & Type : 100.50 kWp – On Grid
- Inverters : SMA –Sunny Mini Central Germany
- Solar Panels : 250 Wp Poly-Crystalline Emmvee India

St. Joseph's College of Engineering & Technology, Kottayam-100 kWp-On Grid



2020



- **Client** : St. Joseph's College of Engineering & Technology Kottayam
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel
- **Solar Panels** : Waaree 380 Wp Mono Perc Crystalline, India

Hotel Maria International, Kothamangalam-100kWp - On Grid



2022



- **Client** : Hotel Maria International EVM, Kothamangalam
- **Solar Panels** : REC 380 Wp Mono Perc Crystalline, Norway
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel

Edappal Hospital, Malappuram-100kWp-On Grid

2021



- **Client** : Edappal Hospital, Kothamangalam
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel
- **Solar Panels** : REC 390 Wp Mono Perc Crystalline, Norway

Bishop Alappatt Mission Hospital, Kattoor-100kWp- On Grid



- **Client** : Bishop Alappatt Mission Hospital, Kattoor, Thrissur
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : Solaredge 82.8, Israel
- **Solar Panels** : Longi 455 Wp Mono Perc Crystalline, China

Mandiram Hospital, Kottayam-100kWp-On Grid



- **Client** : Mandiram Hospital, Kottayam
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : SolarEdge 82.8 kVA Israel
- **Solar Panels** : REC 350 Wp Poly Perc Crystalline Norway, Singapore

SP Fort Hospital, Trivandrum-100kWp-On Grid

2019



- **Client** : SP Fort Hospital, Trivandrum
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : SMA STP 50-40 Core1 Germany
- **Solar Panels** : SolarWorld 350 Wp Mono Perc Crystalline, Germany

MUM Hospital, Kottayam-100kWp-On Grid

2018



- Client : MUM Hospital, Kottayam
- Capacity & Type : 100 kWp – On Grid
- Inverters : SMA Core1
Germany
- Solar Panels : 310 Wp Mono-Crystalline
SolarWorld, Germany

Fantasy Park, Palakkad-100kWp-On Grid



2017

- Client : Fantasy Park, Palakkad
- Capacity & Type : 100 kWp – On Grid
- Inverters : SMA - Sunny Tri Power Germany
- Solar Panels : 295 Wp Mono-Crystalline SolarWorld Germany

Abad Nucleus Mall, Cochin-100 kWp-On Grid

2017



- **Client** : Abad Nucleus Mall
Ernakulam
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : SMA-Sunny Tri Power
Germany
- **Solar Panels** : 295Wp Mono-Crystalline
SolarWorld
Germany

Thombra Ply, Perumbavoor-100 kWp-On Grid

2022



- **Client** : Thombra Ply, Perumbavoor
- **Capacity & Type** : 100 kWp – On Grid
- **Inverters** : Solar Edge 33.3 kVA x 2 & 8 kVA, Israel
- **Solar Panels** : 540 Wp Longi Poly - Crystalline China

AKAY Flavours, Ernakulam-80 kWp-On Grid

2019



- **Client** : AKAY Flavours&Aromatics Pvt.Ltd, Ernakulam
- **Capacity & Type** : 80 kWp – On Grid
- **Inverters** : SolarEdge 82.8 kVA, Israel
- **Solar Panels** : REC 345 Wp Poly Perc Crystalline Norway, Singapore

KSFE, Thrissur-75 kWp-On Grid

2019



- Client : KSFE, Thrissur
- Capacity & Type : 75 kWp – On Grid
- Inverters : SolarEdge 82.8 kVA
Israel
- Solar Panels : REC 355 kWp Poly Perc
Crystalline
Norway, Singapore

EVM's Lemongrass Hotels & Resort-68 kWp-On Grid

2021



- **Client** : Evm's Lemongrass Hotels & Resort
- **Capacity & Type** : 68 kWp – On Grid
- **Inverters** : SolarEdge 27.6x2 kVA
Israel
- **Solar Panels** : REC 395 Wp Poly Perc Crystalline
Norway, Singapore

Kerala Technology Innovation Zone, Kalamassery-65 kWp-

On Grid



- **Client** : Kerala Technology Innovation Zone, Kalamassery
- **Solar Panels** : Vikram Somera 380 VSM India
- **Capacity & Type** : 65 kWp – On Grid
- **Inverters** : Growatt 27.6x2 kVA, India

Malabar Group Headquarters, Kozhikode-60.45 kWp- On Grid



2017



*Using Sunmodule-
Bisun– Cutting Edge
Bifacial Solar
Technology from
SolarWorld, Germany*



- **Client** : Malabar Group Headquarters, Calicut
- **Capacity & Type** : 60.45 kWp – On Grid
- **Inverters** : SMA –Sunny Tri Power Germany
- **Solar Panels** : 325Wp-Bisun modules SolarWorld Germany

EVM Matha Theatre, Adimali-51.5 kWp-On Grid



2021



- **Client** : EVM Matha Theatre, Adimali
- **Capacity & Type** : 51.5 kWp – On Grid
- **Inverters** : SolarEdge 17 kVA & 27.6 kVA
Israel
- **Solar Panels** : 390 Wp-Mono Perc
REC
Norway

P. S. Mission Hospital, Cochin-50kWp-On Grid



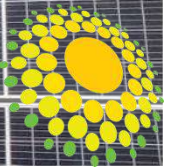
- **Client** : P.S Mission Hospital ,
Ernakulam
- **Capacity & Type** : 50 kWp - On Grid
- **Inverters** : SMA - Sunny Mini Central
SMA - Sunny Tri Power,
Germany
- **Solar Panels** : 300/250 Wp Poly-Crystalline
Jinko Solar, India

Sidra Pristine Hotel, Kochi-41.50 kWp-On Grid



2022

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- **Client** : Sidra Pristine Hotel, Kochi
- **Capacity & Type** : 41.50 kWp - On Grid
- **Inverters** : Solaredge 10 kVA & 27.6 kVA Israel
- **Solar Panels** : 405 Wp Poly-Crystalline REC, Norway

Dr. Tomy, Erakulam-12 kWp-On Grid



2022



- **Client** : Dr. Tomy, Director, Medical Trust, Ernakulam
- **Capacity & Type** : 12 kWp - On Grid
- **Inverters** : SolarEdge 10 kVA Israel
- **Solar Panels** : 455 Wp Poly-Crystalline Longi China

Rosy Pulikan, Erakulam-12 kWp-On Grid

2022



- **Client** : Rosy Pulikan, Director
Medical Trust, Ernakulam
- **Capacity & Type** : 12 kWp - On Grid
- **Inverters** : SolarEdge 10 kVA
Israel
- **Solar Panels** : 455 Wp Poly-Crystalline
Longi
China

Mohammed Zakir, Thrissur-10 kWp-On Grid

2017



- Client : Mohammed Zakir, Thrissur
- Capacity & Type : 10 kWp - On Grid
- Inverters : SMA- Sunny Tri Power Germany
- Solar Panels : 280 Wp Bisun modules SolarWorld Germany

Rajeev Aswani, Kochi-10 kWp-On Grid

2018



- Client : Rajeev Aswani, Kochi
- Capacity & Type : 10 kWp - On Grid
- Inverters : SMA - Sunny Tri Power Germany
- Solar Panels : 250 Wp Mono Black Crystalline RECOM Germany

Chackolas, Kochi-10 kWp-On Grid

2022



- Client : Chackolas, Kochi
- Capacity & Type : 10 kWp - On Grid
- Inverters : SolarEdge 10 kVA Israel
- Solar Panels : 405 Wp Mono Crystalline Perc REC, Norway

Tamara Hotels Corp. Office Bangalore-40 kWp-On Grid



- **Client** : Tamara Hotels Corp. Office, Bangalore
- **Capacity** : 40 kWp - On Grid
- **Inverters** : SolarEdge 27.6 kVA, Israel
- **Solar Panels** : REC 345 Wp - Poly Perc Crystalline, Norway, Singapore

Pulse Doctors & Scans Palakkad-40 kWp-On Grid



- **Client** : Pulse Doctors & Scans, Palakkad
- **Capacity** : 40 kWp-On Grid
- **Inverters** : SMA-STP 50-40 core1 Germany
- **Solar Panels** : 280Wp Mono-Crystalline SolarWorld, Germany

RAK Mart Varkala-40 kWp- On Grid



- **Client** : RAK Mart, Trivandrum
- **Capacity** : 40 kWp - On Grid
- **Inverters** : SolarEdge 27.6 kVA, Israel
- **Solar Panels** : REC 345 Wp - Poly Perc Crystalline, Norway, Singapore

GAIA Properties-40 kWp- On Grid



- **Client** : GAIA Properties & Infrastructure, India Pvt.Ltd, Kozhikode
- **Capacity** : 40 kWp-On Grid
- **Inverters** : SolarEdge 27.6 kVA 17 kVA
- **Solar Panels** : REC 345 Wp Poly Perc Crystalline, Norway, Singapore

Charis Hospital, Muvattupuzha 40 kWp-On Grid



- **Client** : Charis Hospital, Muvattupuzha
- **Capacity** : 40 kWp - On Grid
- **Inverters** : SolarEdge 27.6 kVA, Israel
- **Solar Panels** : REC 355 Wp - Poly Perc Crystalline, Norway, Singapore

Misbahul Islam Trust, Calicut-40 kWp-On Grid



- **Client** : Misbahul Islam Trust, Calicut
- **Capacity** : 40 kWp-On Grid
- **Inverters** : SMA, Germany
- **Solar Panels** : REC 350 Wp Mono Perc Crystalline

Sun Aquatic, Cherthala Alappuzha-32.8 kWp-On Grid



- **Client** : Sun Aquatic, Cherthala
- **Capacity** : 32.8 kWp, SMA-Sunny Tri Power
- **Inverters** : SolarEdge 27.6 kVA, Israel
- **Solar Panels** : 400Wp Mono-Crystalline REC Norway

AVG Motor, Kottayam 30 kWp-On Grid



- **Client** : AVG Motors, Kottayam
- **Capacity** : 30 kWp - On Grid
- **Inverters** : SMA-Sunny Tri Power Germany
- **Solar Panels** : 250Wp – Mono Black Crystalline(RECOM) Germany

New Alma Hospital, Mannarkkad-30 kWp-On Grid



- **Client** : New Alma Hospital,
Palakkad
- **Capacity** : 30 kWp - On Grid
- **Inverters** : SMA- Sunny Tri Power
Germany
- **Solar Panels** : 250 Wp – Mono Black
Crystalline RECOM,
Germany

Sabine Hospital, Muvattupuzha 30 kWp-On Grid



- **Client** : Sabine Hospital &
Research Centre,
Muvattupuzha
- **Capacity** : 30 kWp-On Grid
- **Inverters** : SolarEdge, Israel
- **Solar Panels** : REC 350 Wp Poly Perc
Crystalline, Norway,
Singapore

Esquire Computers Thrissur-25 kWp-On Grid



- **Client** : Esquire Computers, Thrissur
- **Capacity** : 25 kWp — On Grid
- **Inverters** : SMA —Sunny Tri Power Germany
- **Solar Panels** : 310Wp Mono-Crystalline Solar World, Germany

PNNM Ayurveda College, Thrissur-25 kWp-On Grid



- **Client** : PNNM Ayurveda College, Cheruthuruthy, Thrissur
- **Capacity** : 25 kWp — On Grid
- **Inverters** : SMA —Sunny Tri Power, Germany
- **Solar Panels** : SolarWorld, Germany

Subah Hotel Management, LLC-25 kWp-On Grid



- **Client** : Subah Hotel Management LLC, Trivandrum
- **Capacity** : 25 kWp - On Grid
- **Inverters** : SMA - Sunny Tri Power Germany
- **Solar Panels** : RECOM 250 Wp Poly Perc Crystalline

Popular Mega Motors, Pathanamthitta- 25 kWp-On Grid



- **Client** : Popular Mega Motors, Pathanamthitta
- **Capacity** : 25 kWp - On Grid
- **Inverters** : SMA —Sunny Tri Power Germany
- **Solar Panels** : 290Wp Mono-Crystalline Solar World, Germany

Jalvayu Vihar (AFNHB) 25 kWp-On Grid



- **Client** : Jalvayu Vihar, Ernakulam
- **Capacity** : 40 kWp - On Grid
- **Inverters** : SolarEdge 17 kVA, Israel
- **Solar Panels** : REC 395 Wp Mono Perc Crystalline, Norway, Singapore

Eastern Condiments Pvt. Ltd.-23 kWp-On Grid



- **Client** : Eastern Condiments Pvt Ltd, Ernakulam
- **Capacity** : 23 kWp - On Grid
- **Inverters** : SMA - Sunny Tri Power Germany
- **Solar Panels** : 250 Wp Mono-Crystalline Emmvee, India

M A College of Engg-22 kWp- On Grid



- **Client** : Mar Athanasius College of Engineering, Kothamangalam, Kochi
- **Capacity** : 22 kWp - On Grid
- **Inverters** : SMA Tri Power, Germany
- **Solar Panels** : SolarWorld 250 Wp Poly-Crystalline, Germany

Bismi Arcade-Mala 20 kWp- On Grid



- **Client** : Bismi Arcade, Ashtamichira
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 17kw, Israel
- **Solar Panels** : REC 350 Wp, Poly Perc Crystalline, Norway, Singapore

Sion Centre, Kuttur Thrissur-20 kWp-On Grid



- **Client** : Sion Centre, Kuttur, Thrissur
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 10 kVA x 2 Israel
- **Solar Panels** : REC 405 Wp - Mono Perc Crystalline, Norway

Federal Capital-20 kWp- On Grid



- **Client** : Federal Capital, Trivandrum
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 17 kVA, Israel
- **Solar Panels** : REC 395 Wp Mono Perc Crystalline, Norway, Singapore

Mar Aprem Priest, Pala 20 kWp-On Grid



- **Client** : Mar Aprem Priest Home, Kottayam
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 17kw, Israel
- **Solar Panels** : REC 350 Wp Poly Perc Crystalline, Norway, Singapore

Mini Hotel & Bakery, Thrissur-20 kWp-On Grid



- **Client** : Mini Hotel & Bakery, Thrissur
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 17kVA, Israel
- **Solar Panels** : REC 390 Wp Mono Perc Crystalline

Moozhayil Jewellers, Palai 20 kWp On Grid



- **Client** : Moozhayil Jewellers, Palai
- **Capacity** : 20 kWp - On Grid
- **Inverters** : SolarEdge 17 kVA, Israel
- **Solar Panels** : REC 390 Wp Mono Perc

George Mathew, Piravom 20 kWp On Grid



- **Client** : George Mathew, Kottayam
- **Capacity** : 17 kWp - On Grid
- **Inverters** : SolarEdge 17 kVA, Israel
- **Solar Panels** : REC 355 Wp Poly Perc Crystalline

Jose Mathew, Ernakulam 17 kWp-On Grid



- **Client** : Jose Mathew Residence, Ernakulam
- **Capacity** : 17 kWp - On Grid
- **Inverters** : SolarEdge 17 kVA, Israel
- **Solar Panels** : REC 355 Wp Poly Perc Crystalline, Norway, Singapore

St. Jude, Kottayam 15 kWp-On Grid



- **Client** : St. Jude, Kottayam
- **Capacity** : 15 kWp - On Grid
- **Inverters** : SolarEdge, Israel
- **Solar Panels** : REC 355 Wp Poly Perc Crystalline, Norway, Singapore

Tamara Hotels-15 kWp-On Grid



- **Client** : Tamara Hotels, Trivandrum
- **Capacity** : 15 kWp - On Grid
- **Inverters** : Solaredge 17 kVA, Israel
- **Solar Panels** : REC 355 Wp Poly Perc Crystalline, Norway, Singapore

Income Tax Department, Kasargod-15 kWp-On Grid



- **Client** : Income Tax Department Kasargod
- **Capacity** : 15 kWp - On Grid
- **Inverters** : SMA —Sunny Tri Power Germany
- **Solar Panels** : 250 Wp-Poly-Crystalline Solar World, Germany

St. Aloysius College, Thrissur 11.50 kWp



- **Client** : St.Aloysius College, Thrissur
- **Capacity** : 11.50 kWp - On Grid
- **Inverters** : SMA Tri Power, Germany
- **Solar Panels** : 250 Wp-Poly-Crystalline
SolarWorld, Germany

Dr. Kunhalu's Hospital, Cochin-11.44 kWp



- **Client** : Dr. Kunhalu's Nursing Home
Ernakulam
- **Capacity** : 11.44 kWp – On Grid
- **Inverters** : SMA Tri Power, Germany
- **Solar Panels** : 250 Wp Poly-Crystalline
RECOM, Germany

Little Flower School, Alappuzha- 10 kWp



- **Client** : Little Flower School
Alappuzha
- **Capacity** : 10 kWp – On Grid
- **Inverters** : SolarEdge, Israel
- **Solar Panels** : REC 250 Wp Poly-
Crystalline, Singapore

CUMI (Murugappa Group) 10 kWp



- **Client** : Carborundum Universal
(CUMI), Pathanamthitta
- **Capacity** : 10 kWp – On Grid
- **Inverters** : DELTA - Solivia
- **Solar Panels** : 300 Wp Emvee, India

Dr. Dileep Anto, Chalakudy 10 kWp-On Grid



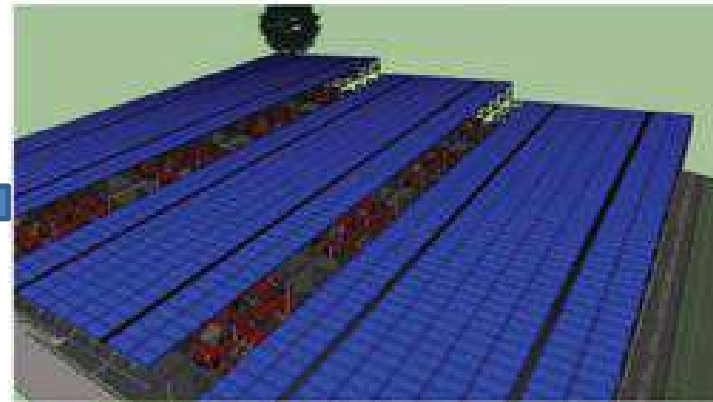
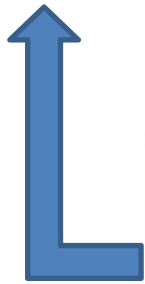
- **Client** : Dr. Dileep Anto, Thrissur
- **Capacity** : 10.12 kWp - On Grid
- **Inverters** : SolarEdge 10 kVA Israel
- **Solar Panels** : REC 405 Wp - Mono Perc Crystalline, Norway, Singapore

A.V. George, Kottayam 5 kWp-On Grid



- **Client** : A.V. George, Kottayam
- **Capacity** : 5 kWp, SMA-Sunny Tri Power
- **Inverters** : SMA Germany
- **Solar Panels** : 270Wp/295Wp Poly-Crystalline SolarWorld Germany

Our In-House Fabrication Team





REC

REC TWINPEAK TECHNOLOGY

SOLAR'S MOST TRUSTED

Putting standard modules in the shade

One major advantage of REC's TwinPeak technology compared to standard modules, is its ability to generate electricity even when partially shaded. This helps you to gain more energy yield over time from your installation.

If a standard module is shaded, its power and the energy produced will sink drastically and even stop generating electricity completely if shaded across the module width.



When one half of a standard module is shaded, none of the module produces electricity



With the same shading, an REC TwinPeak module has more surface area still producing electricity.

REC TwinPeak solar modules are split into two twin sections which generate electricity independent to each other, but combine again before the current exits the module. This helps provide continuous electricity generation in the non-shaded section even at times of reduced irradiance on the module, increasing overall energy yield and installation profitability.

Half cut cells

Laser cut polysilicon cells reduce internal resistance for higher power output, higher efficiency & increased reliability.



Passivated Emitter Rear Cell

New generation of cell technology captures more wavelengths of light through mirror-like architecture for higher efficiency.



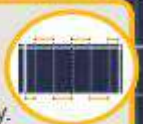
Split junction box

The three parts enable the innovative new cell layout for a higher energy yield, while reducing heat & increasing reliability.



Five bus bars

A shorter distance for electrons to travel vastly improves the current flow, reducing resistance in the cell & increasing efficiency.

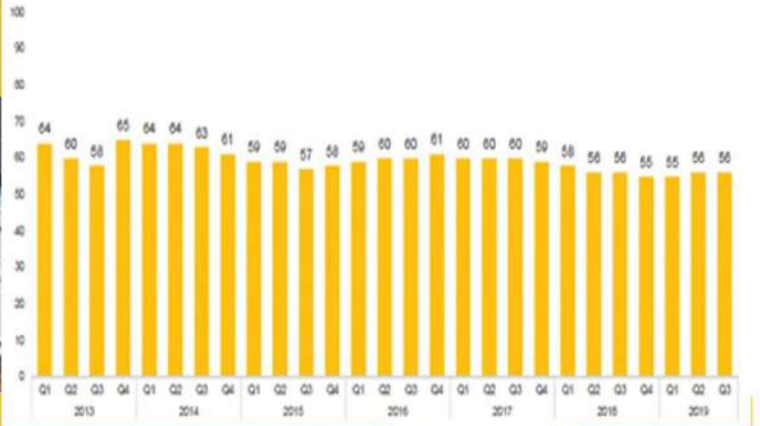
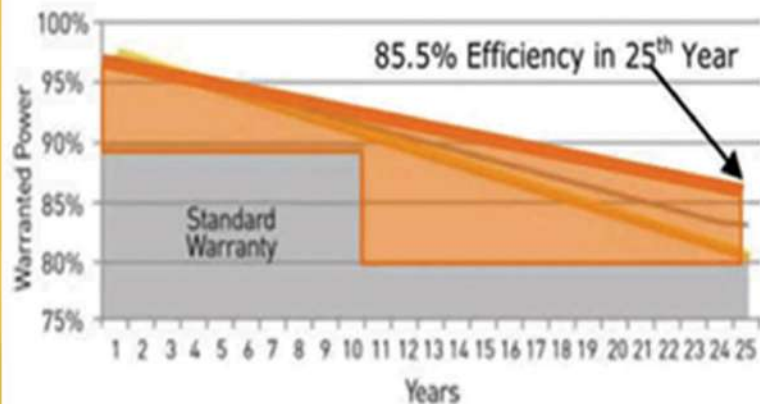


LOWEST CLAIMS LEADING WARRANTY

The lowest warranty claims rate in the industry justifies leading warranty terms. REC's warranties reflect this leadership, further supporting REC's premium quality.

YEAR
PRODUCT
WARRANTY

25 YEAR LINEAR
POWER OUTPUT
WARRANTY



REDUCES BALANCE OF
SYSTEM COSTS



IMPROVED PERFORMANCE
IN SHADED CONDITIONS



INDUSTRY-LEADING
LIGHTWEIGHT 72-CELL PANEL

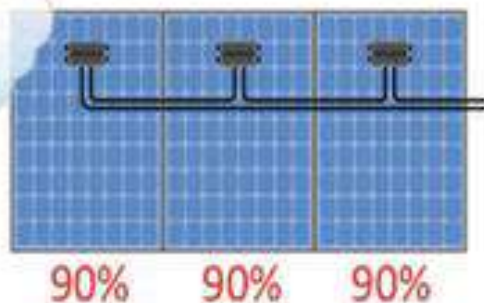


100%
PID FREE



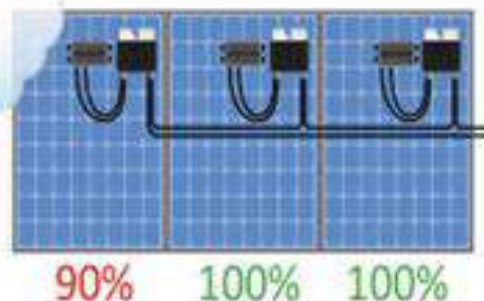
All products are eligible for a **+5 year warranty extension**, when installed by a certified REC solar **Professional Installer**. (Moopens Energy Solutions)

In 2006, Solar Edge invented an intelligent inverter solution that has changed the way power is harvested and managed in PV systems. Today, we are a global leader in smart energy technology. By deploying world-class engineering capabilities and with a relentless focus on innovation, we create smart energy products and solutions that power our lives and drive future progress.



Traditional Inverter

- > Weak panels reduce the performance of all panels in the string or are bypassed
- > Power losses due to panel mismatch.



SolarEdge System

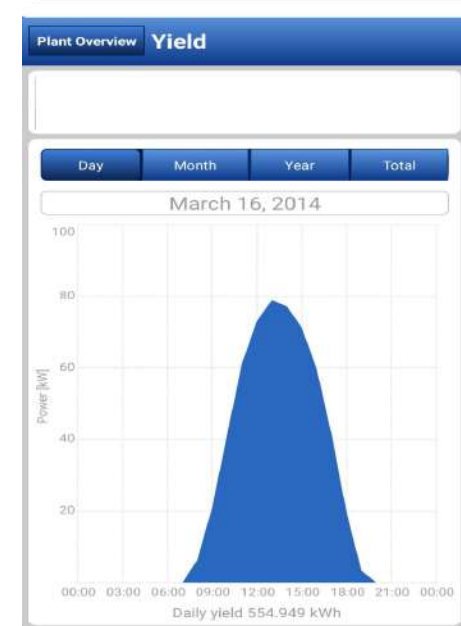
- > Maximum power produced and tracked from each panel individually
- > 2%-10% more energy from the PV system

Benefits of Power Optimizers

1. Higher energy harvest
2. Safety
3. Module-level monitoring
4. Design flexibility
5. Greater module compatibility and no power clipping
6. Higher energy yield through wider mppt range
7. Higher reliability
8. Higher efficiency
9. Superior communication (dc power line)
10. Compliance with advanced grid codes
11. Lower system cost, faster roi
12. System scalability

Module-Level PV Monitoring

The web-based Solar Edge monitoring portal provides enhanced PV performance monitoring and yield assurance through immediate fault detection and alerts at module level, string level and system level.



Hi-MO 5

LR5-72HBD 530~550M

- Based on M10-182mm wafer, best choice for ultra-large power plants
- Advanced module technology delivers superior module efficiency
 - M10 Gallium-doped Wafer • Smart Soldering • 9-busbar Half-cut Cell
- Globally validated bifacial energy yield
- High module quality ensures long-term reliability

12 12-year Warranty for Materials and Processing

30 30-year Warranty for Extra Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730
ISO 9001:2015: ISO Quality Management System
ISO 14001: 2015: ISO Environment Management System
TS62941: Guideline for module design qualification and type approval
ISO 45001: 2018: Occupational Health and Safety

LONGI



ENPHASE



IQ8 and IQ8+ Microinverters

Our newest IQ8 Microinverters are the industry's first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC), which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built using advanced 55-nm technology with high-speed digital logic and has superfast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the IQ Battery, IQ Gateway, and the Enphase App monitoring and analysis software.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-and-play MC4 connectors.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



IQ8 Series Microinverters are UL Listed as PV rapid shutdown equipment and conform with various regulations, when installed according to the manufacturer's instructions.

Easy to install

- Lightweight and compact with plug-and-play connectors
- Power line communication (PLC) between components
- Faster installation with simple two-wire cabling

High productivity and reliability

- Produce power even when the grid is down*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

Microgrid-forming

- Compliant with the latest advanced grid support**
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meet CA Rule 21 (UL 1741-SA) and IEEE® 1547:2018 (UL 1741-SB 3rd Ed.)

NOTE:

- IQ8 Microinverters cannot be mixed with previous generations of Enphase microinverters (IQ7 Series, IQ6 Series, and so on) in the same system.
- IQ Gateway is required to change the default grid profile at the time of installation to meet local Authority Having Jurisdiction (AHJ) requirements.

*Meets UL 1741 only when installed with IQ System Controller 2.
**IQ8 and IQ8+ support split-phase, 240 V installations only.



FRONIUS PRIMO

The communicative inverter for optimised energy management.



SnapInverter technology



Integrated data communication



SuperFlex Design



Dynamic Peak Manager



Smart Grid Ready



Zero feed-in

HELOC[®] PRO

GS10-M144-WF
(525 Wp - 550 Wp)



High Saving
Lower LCOE, reduced BOS cost, shorter payback time



High Efficiency
Excellent module conversion efficiency of up to 21.31%



Low-light Performance
Advanced glass and cell surface textured design ensure excellent performance in low-light environment



PID Resistance
Excellent Anti-PID Performance guarantee limited power degradation for mass production



IP68 Junction Box
High waterproof level

INDUSTRY LEADING PROTECTION

GOLDI SOLAR

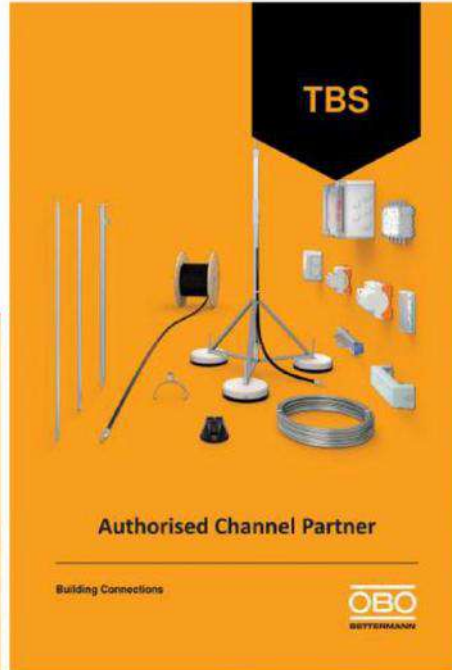


12 Years Warranty For Materials And Processing



25 Years Warranty For Linear Power Output

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 certified facility



EV Charging Solutions



Sunsenz E-Mobility Infra Solutions

ÖLFLEX® SOLAR XLR-R

Electron beam cross-linked solar cables with reduced diameters - TÜV type approved
 Reduced outer diameters enable space and weight saving installation
 Reduction of flame propagation and of toxic combustion gases in the event of fire
 Robust against mechanical impacts
 Extruded colour stripe serves as reverse polarity protection during installation.
 Exact quantity control during installation by meter marking on the cable sheath



Suitable for outdoor use



Cold-resistant



Temperature-resistant



Single halogen-free cable



Solar Energy



UV-resistant

Info

Optimised cable design -thin, light and robust
 TÜV Type PV1-F (2 PfG 1169/08.2007)

Application range

For the cabling between the solar modules and as extension cable between the module strings and the DC/AC inverter
 Gable and flat roof photovoltaic systems
 Photovoltaic plants and solar parks
 Flexible or building-integrated PV systems
 Not suitable for direct burial, Installation according to IEC 60364-5-52, respectively HD 60364-5-52

Product Make-up

Fine-wire, tinned-copper conductor
 Core insulation made of electron beam cross-linked copolymer
 Colour of core insulation: white
 Outer sheath made of electron beam cross-linked copolymer
 Outer sheath colour: black respectively black with red or blue stripe

Norm references / Approvals

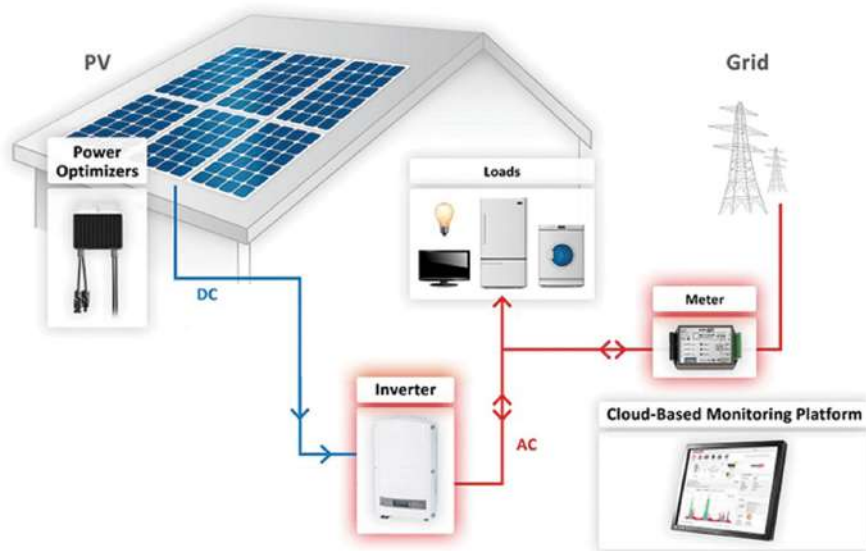
PV1-F (TÜV type approved according to
 2 PfG 1169/08.2007)

Product features

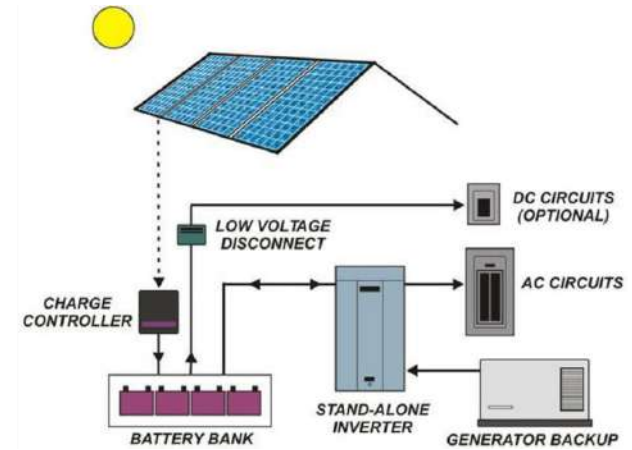
Weather/UV-resistant acc. to HD 605/A1
 Ozone-resistant according to EN 50396
 Halogen-free and flame-retardant
 Good notch and abrasion resistance
 XLR-R = X-Linked Radiated-Reduced
 Proven electron beam cross-linked quality
 Version without colour stripe for size up to 300mm² on request



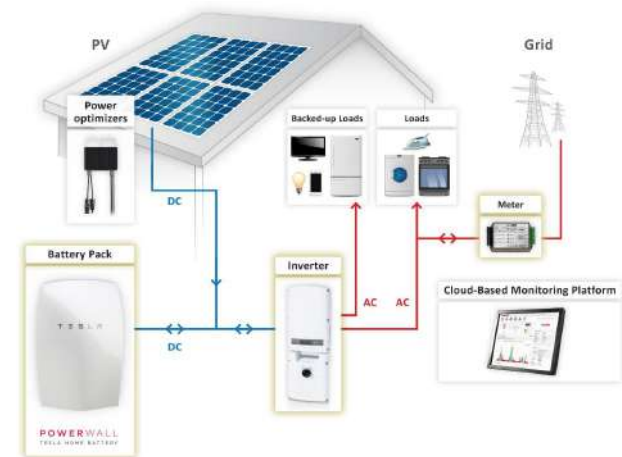
On-grid Solar Power Plant



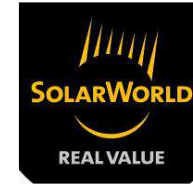
Off-grid Solar Power Plant



Hybrid Solar Power Plant



Our Sourcing Partners



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✉ contact@sunsenz.com

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60.45 kWp Malabar Group, Kozhikode



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Email : contact@sunsenz.com
Website : www.sunsenz.com