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PROPOSAL for
**SOLAR 13kWp &
32kWh BATTERY SYSTEM**

For FAIR FUTURE FOUNDATION

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Sumba, Indonesia

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Over 300
Projects

Installed in
Indonesia



SOLAR



COOLING



AIR
QUALITY



HOT
WATER



CONTROLS



BATTERIES



Solar Photovoltaic System Overview

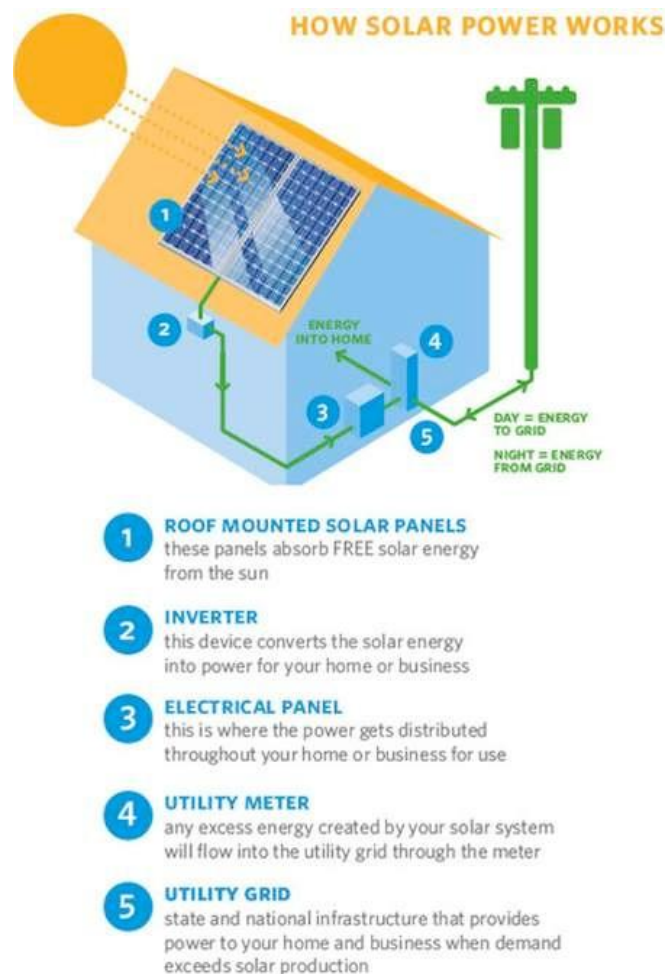
A solar photovoltaic (PV) system, or solar power system, is a renewable energy system, which uses Photovoltaic (PV) modules to convert sunlight into electricity. The electricity that is being generated can be stored or used directly, fed back into the grid line or combined with one or more other electricity generators or other renewable energy sources. A Solar PV system is a very reliable and clean source of electricity that can suit a wide range of applications such as residences, industry, warehousing, agriculture, etc. The main components of this system consist of:

1. Solar/PV panel: Converts solar energy to electricity (DC current)
2. Inverter/Charger: Converts DC/AC to AC/DC current
3. System Electrical Distribution Board: Distributes and protects the electrical power system

On-grid solar power is by far the easiest and most economical way of using solar energy. Photovoltaic (PV) panels mounted on the roof generate DC electricity that is being sent to an inverter, which converts the DC electricity into standard 220V/50 Hz (or 380V 3-phase) AC electricity and 'synchronizes' it with the power grid (PLN). Thus, the power/energy created by the solar modules is simply being deducted from the power/energy you purchase from the power grid (PLN).

It is important to note that in a power outage, the solar system will also be automatically be switched off by the grid synchronization, if it is a grid-connected system. This is to not endanger any potential maintenance workers downstream on the grid cable.

We can offer a smart system that is able to produce power during blackouts, as a special option. Please request.





APPLICATION POSSIBILITIES

A solar system can be designed and build in a myriad of ways. A flat roof offers naturally the easiest possibility to orient and tilt the panels in the most ideal ways. However every project may be custom designed to meet your requirement, from visual aspects to construction aspects.

Potential options include:

Integrated SunRoof

(replacing regular roof)



Standard rooftop arrays



Flexible Panels

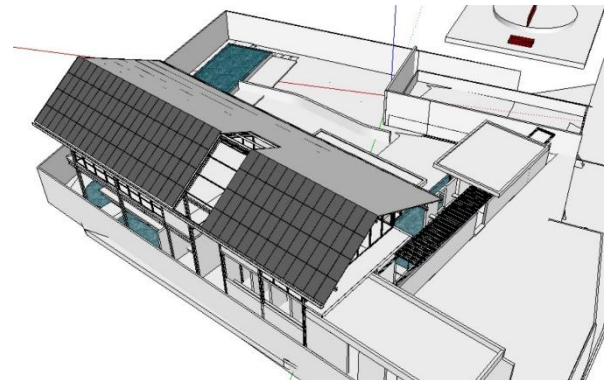
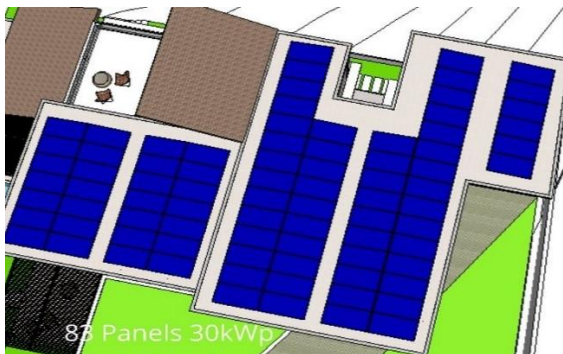
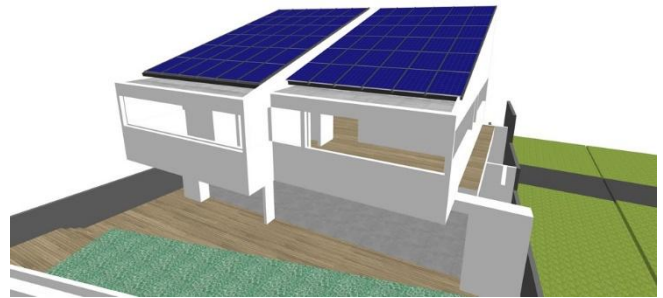
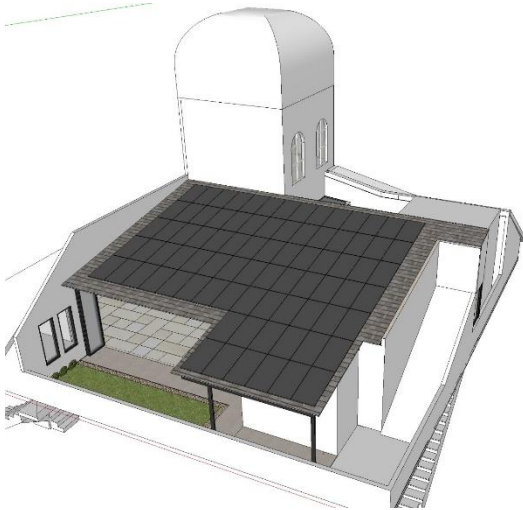


Please discuss your design ideas with us, we will work hand In hand with you and your team for a seamless integration into your building



Design process

Once you have decided on a technology and structural approach, we will work with you and your architect to the detailed design for your solar system:



From design to building the array:





Design for your project:

Preliminary proposal

Design to be confirmed upon confirmation of interest



Key System Parameters:

kW Solar Capacity	12.60 kWp
Battery Storage Capacity:	32.0 kWh
Output per day	55.9 kWh
Area required:	60 sqm
Saving per month in Y1:	Rp 3,691,170
Return on Investment:	1017%
CO2 emissions saved	16,330 kg/y
CO2 savings over lifetime	489,888 kg

REST ASSURED WITH OUR
TOP WARRANTIES

INVERTER	5 YEARS
BATTERY	10 YEARS
SOLAR PANEL	12 YEARS 30 workmanship performance

TOP 3 GLOBAL PANEL MANUFACTURER

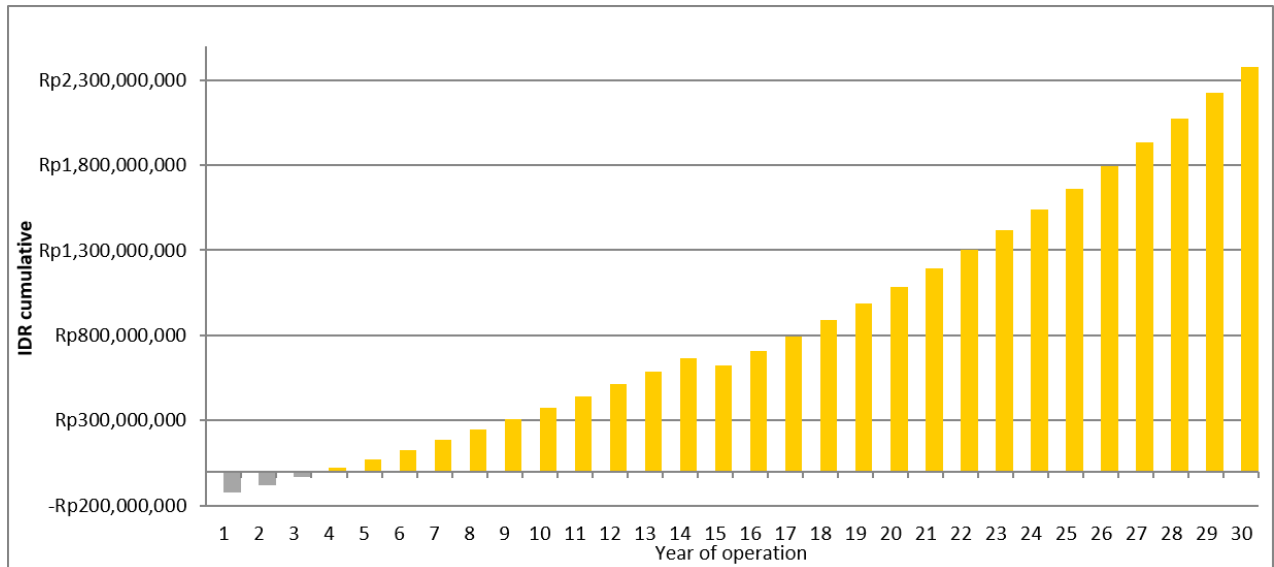
Design concept: : Hybrid Off-grid running, to avoid poor PLN Voltage; switching to PLN in the evening upon depletion of batts; and back to solar in the morning

COMMERCIAL QUOTATION

#	Item Description	Specification	Qty Unit	Unit Price (IDR)	Total Price (IDR)
A) Solar System: Off-grid hybrid 12.6 kW					
a	PV Panel, 630Wp, TRINA bifacial		20 pcs	2,999,000	59,980,000
b	Solar Inverter	only hybrid			-
c	PV cabling	AWG12 type	120 m	65,900	7,908,000
b	Panel mounting rails	standard roof	1 lot	10,196,600	10,196,600
c	Accessories (conduit, clamps, etc)		1 lot	3,898,700	3,898,700
b	DC arresters and panels	3Phase	1 lot	8,650,000	8,650,000
b	AC cable		10 m	350,000	3,500,000
SUBTOTAL Grid-connected solar system					90,633,300
B) Battery System: 32.0 kWh battery storage					
a	Online monitoring system	internet by client	1 lot	2,300,000	2,300,000
b	Battery, Li-F-P: 16kWh	10y warranty	2 pcs	44,280,000	88,560,000
c	Hybrid inverter:	DEYE, 10kW, 3P, LV	1 pcs	38,880,000	38,880,000
d	DC cables, accessories		1 lot	2,760,000	2,760,000
SUBTOTAL Battery system					132,500,000
Subtotal Grid-connected solar system and battery materials					223,133,300
C) Service Costs					
a	Logistics		1 lot		18,500,000
b	Installation and Testing & Commissioning		1 lot		17,000,000
c	Auto Transfer Switch		1 lot		7,000,000
Total price offer				excl PPN	265,633,300
NGO Discounted price				15%	225,788,305
VAT				PPN 11%	24,836,714
Grand Total				incl PPN (VAT)	250,625,019



FINANCIAL PROJECTION



Electricity baseline cost:	2170 IDR/kWh	compared to PLN R3 + running Diesel genset 5% of time, incl tax				TOTAL:
Selfconsumption	100% enabled through storage of daytime generated surplus solar to be stored in batteries					
Power Price inflation:	5%					
Cost of avoided Genset	80,000,000					
	Solar Energy Output	Tariff	Income	Cummulative	profit	PV Output
Energy Payback Y1	20,412 kWh	2,170	44,294,040	44,294,040	(126,330,979)	100%
Energy Payback Y2	20,310 kWh	2,279	46,276,198	90,570,238	(80,054,780)	100%
Energy Payback Y3	20,208 kWh	2,392	48,345,837	138,916,076	(31,708,943)	99%
Energy Payback Y4	20,106 kWh	2,512	50,506,750	189,422,825	18,797,807	99%
Energy Payback Y5	20,004 kWh	2,638	52,762,889	242,185,714	71,560,696	98%
Energy Payback Y6	19,902 kWh	2,770	55,118,375	297,304,089	126,679,071	98%
Energy Payback Y7	19,800 kWh	2,908	57,577,502	354,881,591	184,256,573	97%
Energy Payback Y8	19,698 kWh	3,053	60,144,747	415,026,338	244,401,320	97%
Energy Payback Y9	19,596 kWh	3,206	62,824,772	477,851,110	307,226,091	96%
Energy Payback Y10	19,493 kWh	3,366	65,622,437	543,473,547	372,848,529	96%
Energy Payback Y11	19,391 kWh	3,535	68,542,808	612,016,355	441,391,336	95%
Energy Payback Y12	19,289 kWh	3,711	71,591,159	683,607,514	512,982,495	95%
Energy Payback Y13	19,187 kWh	3,897	74,772,988	758,380,502	587,755,483	94%
Energy Payback Y14	19,085 kWh	4,092	78,094,022	836,474,524	665,849,505	94%
Y15: inverter change assur	18,983 kWh	4,296	(45,879,772)	790,594,751	619,969,733	93%
Energy Payback Y16	18,881 kWh	4,511	85,177,818	875,772,570	705,147,551	93%
Energy Payback Y17	18,779 kWh	4,737	88,953,268	964,725,837	794,100,819	92%
Energy Payback Y18	18,677 kWh	4,974	92,893,317	1,057,619,155	886,994,136	92%
Energy Payback Y19	18,575 kWh	5,222	97,004,989	1,154,624,143	983,999,125	91%
Energy Payback Y20	18,473 kWh	5,483	101,295,594	1,255,919,737	1,085,294,719	91%
Energy Payback Y21	18,371 kWh	5,758	105,772,747	1,361,692,484	1,191,067,466	90%
Energy Payback Y22	18,269 kWh	6,046	110,444,377	1,472,136,861	1,301,511,843	90%
Energy Payback Y23	18,167 kWh	6,348	115,318,738	1,587,455,599	1,416,830,580	89%
Energy Payback Y24	18,065 kWh	6,665	120,404,424	1,707,860,022	1,537,235,004	89%
Energy Payback Y25	17,963 kWh	6,998	125,710,381	1,833,570,404	1,662,945,385	88%
Energy Payback Y26	17,861 kWh	7,348	131,245,924	1,964,816,327	1,794,191,309	88%
Energy Payback Y27	17,758 kWh	7,716	137,020,744	2,101,837,071	1,931,212,053	87%
Energy Payback Y28	17,656 kWh	8,102	143,044,932	2,244,882,003	2,074,256,985	87%
Energy Payback Y29	17,554 kWh	8,507	149,328,987	2,394,210,990	2,223,585,972	86%
Energy Payback Y30	17,452 kWh	8,932	155,883,835	2,550,094,825	2,379,469,807	86%



Included in this offer is a Remote monitoring application.



Allowing you to directly track your energy consumption and savings

OPTIONAL EXTRAS:

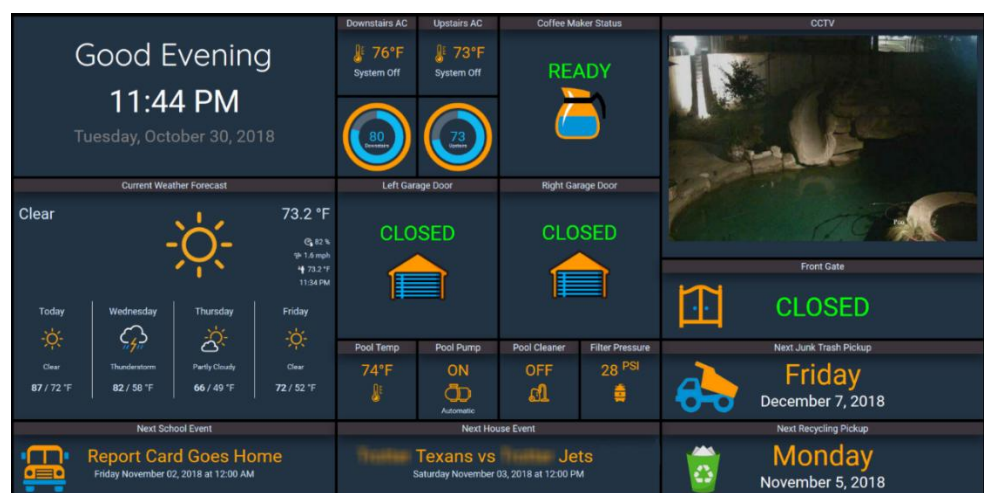
B) SMART DEVICE CONTROL SYSTEM

We are offering you herewith a basic Smart Home Control system to allow you to decide conveniently via a remote control (internet based) your devices:

- Automated on/off of selected appliances based on schedule (or sunset/sunrise for example)
- Automated on/off of selected appliances when running on batteries
- Remote control of selected appliances (web based)

Each control box also has a way of disabling the smart controls individually. This allows the appliances either to run in "manual" (by physical switches) or in "auto" (via the smart controls).

C)





OPTIONS: Continued

A) Maintenance Service

Prices on request

PAYMENT TERMS

1. 50% on order
2. 40% on Delivery, 10% on turning system on

EXCLUSIONS:

Connection to PLN grid and associated costs are not included. This is due to varying costs depending on the PLN local office and third-party verification company that needs to be engaged. The process may be managed by us, with third party fees at cost, with an estimate of these fees ranging from Rp3-8.000.000 typically. Note that the meter will have to be changed to a digital net meter by PLN.

If the building is recently constructed, we recommend that solar net metering is installed and integrated by your contractor as they as they will already be working with your main meter connection.

Please note that waterproofing of roof is outside our scope, should drilling into the roof be required. Here coordination with your construction main contractor is recommended.

IMPORTANT: note that according to current solar regulation it is illegal not to apply for net metering if you install a solar system and are grid connected.

It is also illegal to use the solar system before final approval by PLN, with fines of Rp100jt applicable.



LITHIUM-ION BATTERY SYSTEM:



Flexible Expansion

Up to 50 units in parallel,
16.07kWh--803.84kWh capacity



Automatic Self-heating

-20°C to 55°C operating
temperature (optional)



Ultra Safe

Intelligent fire extinguishing system,
detects and extinguishes fire in 5s



Easy Installation

Supports wall-mounted and
floor-mounted installations, easy to
move by one person with wheels



Long-term Reliability

LFP cells, 8000+ cycles



Smart Management

Built-in display screen, check the battery
status at any time. real-time system
monitoring, remote control, OTA updates

Model	PowerBrick SC
Battery Type	LiFePO ₄ (LFP)
Nominal Battery Energy	16.076kWh
Usable Battery Energy	15.272kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Operating Voltage	44.8V~57.6V
Recommended Charge & Discharge Current	140A
Max. Charge Current	200A
Max. Discharge Current	200A
Peak Discharge Current (25°C)	300A, 2min
Recommended Charge & Discharge Power	7.168kW
Max. Charge Power	10.24kW
Max. Discharge Power	10.24kW
Depth of Discharge (DOD)	95%
Charge Temp. Range	0°C~55°C/-20°C~55°C(optional)
Discharge Temp. Range	-20°C~55°C
Net Weight	116Kg
Dimension[W/D/H]	435/233/857mm
Protection Level	IP20
Communication	CAN/RS485
Cycle Life [1]	≥8000 Cycles
User Interface	WIFI+APP, LCD
Safety Protection	Built-in aerosol fire extinguisher
Installation	Floor-mounted,Wall-mounted
Regulating wheel (4pcs)	1kg,80/80/80(optional)
Top cover	2kg,422/232/60(optional)
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/IEC62619
Compatible Inverters	SMA/Victron Energy/Ingeteam/Solis/GoodWe/Growatt/Solplanet/Luxpower/Deye/Apsystem etc.

[1] Test conditions: 0.2C Charging& Discharging, 25°C, 95% DOD, 70%EOL



SOLAR PANEL SPECIFICATIONS:

Vertex N

N-type i-TOPCon Ultra

BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

TSM-NEG19RC.20 625-650W

650_W / MAXIMUM
POWER OUTPUT

24.1% / MAXIMUM
EFFICIENCY



High customer value

- Best partner of 1P tracker, with highest utilization of tracker length
- Low voltage design with higher string power, effectively reducing BOS (Balance of System) and LCOE (Levelized Cost of Energy) by 1%~5%
- Standardized module size with higher container space utilization effectively reduces the freight cost
- Excellent compatibility with existing mainstream system components
- Certified Low-Carbon Footprint



High power up to 650W

- Up to 24.1% module efficiency, on 210 innovation platform
- Patented i-TOPCon technology with continuous efficiency upgrade, including contact resistance reduction, rear reflection enhancement and edge quality repairment



High reliability

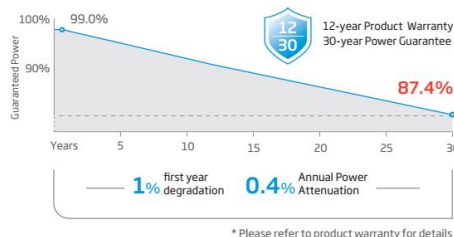
- Minimized micro-cracks with innovative non-destructive cutting technology and high-density packaging
- Reduced risks of hot-spot with half-cut technology
- Certified high resistance against salt, ammonia, sand, PID, LID, LeTID
- Sustainable in harsh environments and extreme weather conditions



High energy yield

- Excellent low irradiation performance, validated by 3rd party
- Lower temperature coefficient (-0.29%/°C)
- Higher bifaciality, with up to 10%~20% additional power gain from back side depending on albedo
- Reliable dual-glass structure with 30-year power guarantee

Performance Warranty



* Please refer to product warranty for details

Comprehensive Products and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716/UL61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupational Health and Safety Management System
ISO14067: Product Carbon Footprint Limited Assurance





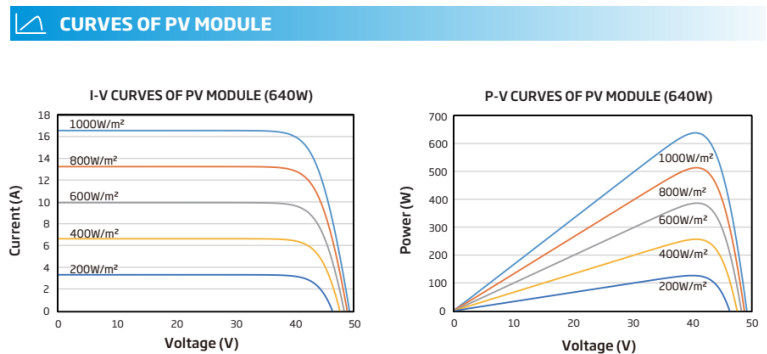
N-type i-TOPCon Ultra BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

ELECTRICAL DATA (STC & NOCT & BNPI)																		
Testing Condition	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI	STC	NOCT	BNPI
Peak Power Watts- $P_{MAX}(W_p)^*$	625	477	692	630	481	698	635	487	704	640	489	709	645	492	715	650	496	720
Power Selection (W)**	0 ~ +5																	
Maximum Power Voltage- $V_{MPP}(V)$	40.46	38.10	40.46	40.68	38.30	40.68	40.84	38.60	40.84	41.06	38.70	41.06	41.22	38.80	41.22	41.43	39.00	41.43
Maximum Power Current- $I_{MPP}(A)$	15.45	12.52	17.12	15.49	12.57	17.16	15.55	12.60	17.23	15.60	12.67	17.28	15.65	12.70	17.34	15.69	12.73	17.38
Open Circuit Voltage- $V_{oc}(V)$	48.70	46.30	48.70	48.90	46.50	48.90	49.10	46.60	49.10	49.30	46.80	49.30	49.52	47.00	49.52	49.77	47.30	49.77
Short Circuit Current- $I_{sc}(A)$	16.32	13.15	18.08	16.38	13.20	18.15	16.44	13.25	18.22	16.51	13.30	18.29	16.55	13.33	18.34	16.59	13.37	18.38
Module Efficiency $\eta_m(\%)$	23.1			23.3			23.5			23.7			23.9			24.1		
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5. NOCT: Irradiance at 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s. BNPI: Irradiance: front 1000W/m ² , rear 135W/m ² , Temperature 25°C, Air Mass AM1.5																		
*Measuring tolerance: ±3%. **Power selection up to: +3%.																		

	Electrical characteristics with different power bin (reference to 5% & 10% backside power gain)															
Backside Power Gain	5%		10%		5%		10%		5%		10%		5%		10%	
Peak Power Watts- $P_{MAX}(W_p)$	656	688	662	693	667	699	672	704	677	710	683	715				
Maximum Power Voltage- $V_{MPP}(V)$	40.46	40.46	40.68	40.68	40.84	40.84	41.06	41.06	41.22	41.22	41.43	41.43				
Maximum Power Current- $I_{MPP}(A)$	16.22	17.00	16.26	17.04	16.33	17.11	16.38	17.16	16.43	17.22	16.47	17.26				
Open Circuit Voltage- $V_{oc}(V)$	48.70	48.70	48.90	48.90	49.10	49.10	49.30	49.30	49.52	49.52	49.77	49.77				
Short Circuit Current- $I_{sc}(A)$	17.14	17.95	17.20	18.02	17.26	18.08	17.34	18.16	17.38	18.21	17.42	18.25				
Power Bifaciality: 80±5%.																

TEMPERATURE RATINGS	
NOCT (Nominal Operating Cell Temperature)	43°C ($\pm 2^\circ\text{C}$)
Temperature Coefficient of P_{MAX}	- 0.29% /°C
Temperature Coefficient of V_{oc}	- 0.24% /°C
Temperature Coefficient of I_{sc}	0.04% /°C
Due to different testing methods, the actual performances might differ from the declared specifications.	

APPLICATION CONDITIONS	
Operating Temperature	-40~+70°C
Maximum System Voltage	1500V DC (IEC)
	1500V DC (UL)
Max Series Fuse Rating	35A



MECHANICAL DATA	
Solar Cells	N-type i-TOPCon Monocrystalline
No. of cells	132 cells
Module Dimensions	2382×1134×30 mm (93.78×44.65×1.18 inches)
Weight	33.0 kg (72.8 lb)
Front Glass	2.0 mm (0.08 inches), AR Coating Heat Strengthened Glass
Back Glass	2.0 mm (0.08 inches), Heat Strengthened Glass
Frame	30mm(1.18 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²) Portrait: 200/320 mm(7.87/12.60 inches) Length can be customized
Connector	TS4 Plus / TS4 / MC4 EVO2*
Packaging	Modules per box: 36 pieces Modules per 40' container: 720 pieces
*The connector names listed are general names; specific types are subject to the certification documents.	

Front View

Back View

A-A

B-B



WARRANTIES

We will provide the following
warranty to our customers:

Three Level Warranty:

A) Solar Panels 30 years

performance warranty:

- Solar PV panels are rated at direct sunlight hitting at straight angle without any cloud (peak sunshine hour). We warranty that the complete array delivered will have a capacity in such ideal conditions. Note that PV output declines in hazy days and with cloud cover as well as with non-straight angle of sunshine.
- The PV panel cells will decrease slightly in output each year. Under normal condition the panel capacity loss should not be more than 1% per year over a 15 year period, to a maximum of 20% after 25 years. In case a lower output is proven, a warranty case shall be applied.
- In case the panel has degraded more than the stated maximum expected degradation the PV output loss may be compensated by installing additional panel capacity, or by replacement of the faulty panels

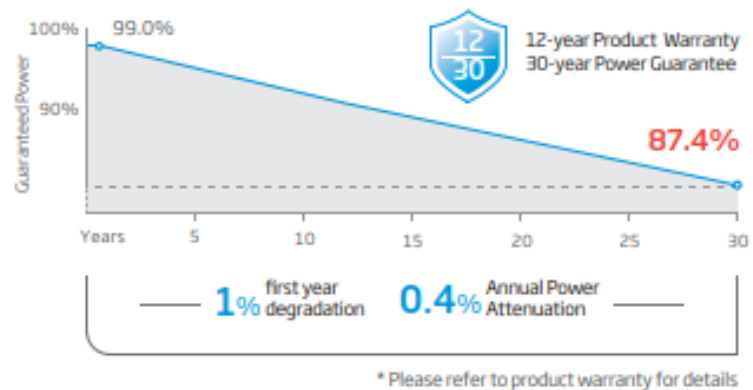
B) 5 years spare parts Availability Warranty:

We will ensure that suitable spare replacements will be available for a period of 15 years after date of purchase of the product.

C) Against manufacturing errors:

- Panels: 12 Years + performance warranty as per above
- Inverter: 5 years
- Battery: 7 years
- Installation: 1 year

Performance Warranty





SMART
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PROJECT REFERENCES

Oct 2025



> 220

PROJECTS ACROSS
INDONESIA



Villa Moonlight
19.7 kWp Solar System
32 kWh Battery



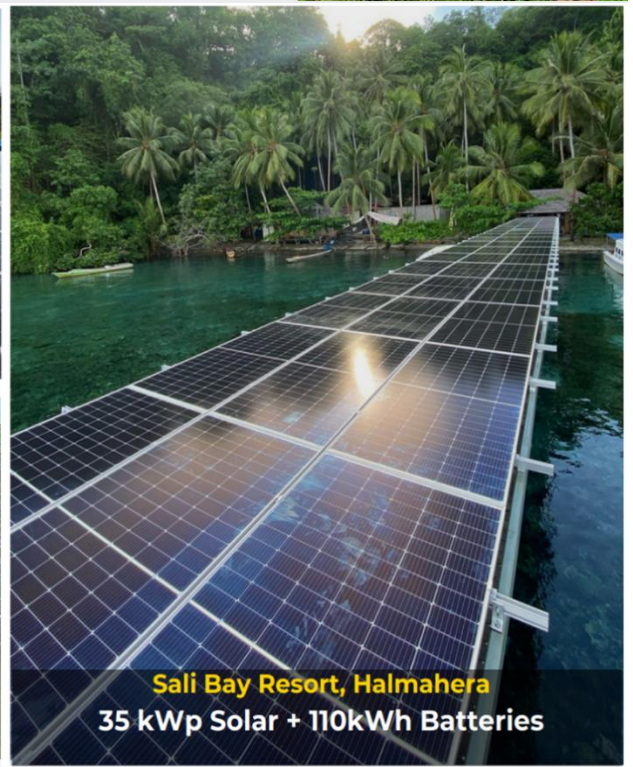
Villa Sibu Sibu
16 kWp Solar System
20.4 kWh Battery



George Kutat Project
5.4 kWp Solar System



Melloni Cliff Castle Project
22 kWp Solar System
62 kWh Battery



Sali Bay Resort, Halmahera
35 kWp Solar + 110kWh Batteries

Jali Resort, Gili T, Lombok
30 kWp Solar + 60kWh Battery

Ulaman Resort, Bali
57 kWp Solar System

Amazing Lombok Resort, Lombok
25 kWp Solar + 11kWh Batteries

Tuntrum Hotel, Kuta Lombok
12 kWp Solar System

Greenroom Resort, Canggu, Bali
14 kWp Solar System

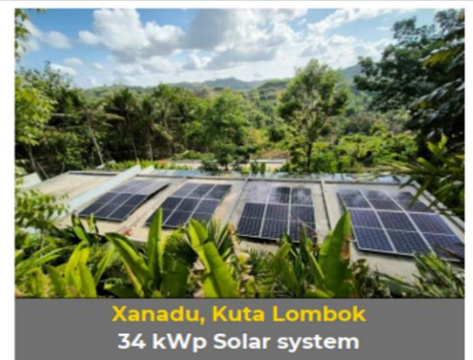
Mana Earthly Paradise, Bali
8 kWp Solar System

The Elementum, Binging, Bali
8 kWp Solar System

AUM Resort, Jimbaran, Bali
25 kWp Solar, 5kWh Battery System



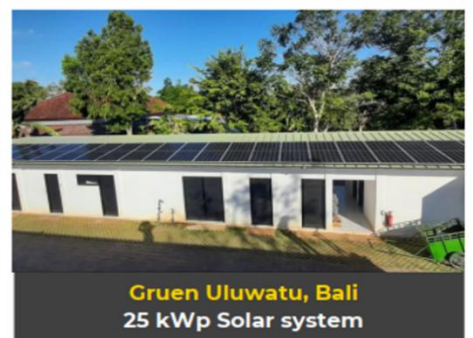
Mana resort, Kuta Lombok
50 kWp Solar System



Xanadu, Kuta Lombok
34 kWp Solar system



LOST Lindenberg, Bali
25 kWp Solar System



Gruen Uluwatu, Bali
25 kWp Solar system



Bahana Gourmet Indonesia
52kWp Solar System



Classic Fine Foods
72kWp Solar System



Van Oord Batam
209.84 kWp Solar System
430kWh Battery



Intan Resort, Nusa Penida, Bali
73kWp Solar + 260kWh Batteries



Justis, Mentawai
16kWp Solar + 62 kWh Batteries



Villa Waves, Lombok
12 kWp Solar + 50 kWh Batteries



The Pod, Lombok
8kWp Solar + 20kWh Batteries



David, Banyuwangi
7kWp Solar + 17 kWh Batteries



TRUSTED AND RECOMMENDED BY OVER 200 CLIENTS



★★★★★
Mr. Robert - Villa 88 Mars
"Thank Everyone for doing such a clean tidy job. Very professional. Such a smaller and quiter. Wonderful!"



★★★★★
Mandalika Intercultural School
SET Lombok installed a solar system at Mandalika Intercultural School, covering about 20% of daily power needs and providing backup during PLN outages.



★★★★★
Stephane, Villa Mas - Lombok
Smartenergy.tech provided excellent support installing our solar panel system at Villa Mas, Lombok. The team was professional, knowledgeable, and easy to work with. The system is easy to monitor remotely through an app. Highly recommended for solar installations in Bali or Lombok!



★★★★★
Ms. Bonnie C. - Cheria POD Lombok
We recently had Smart Energy Tech install a solar system on our home in Lombok, and it's been a game-changer. Living in a remote area with an unreliable grid, we now have peace of mind—our solar battery system makes us fully self-reliant, without needing any backup grid or noisy genset. With the tropical sun, we can run multiple ACs freely, and even on cloudy days, the system keeps our home cool and powered. The installation was seamless, the team professional, and the results exceeded our expectations.



★★★★★
Mr. D.Schuster - Villa Alocasias
Exceptional Service and Perfect Results!
Our experience with Smart Energy was outstanding from start to finish. Marc and his team were professional, knowledgeable, and detail-oriented, delivering a flawlessly performing solar system. The process was smooth, efficient, and handled with care. The team worked neatly, kept us informed, and delivered exactly what they promised. We're delighted with the results and highly recommend Smart Energy to anyone seeking a reliable, professional solar solution.

SEE MORE ON OUR GOOGLE REVIEWS AND WEBSITE

Over 250
Projects

Installed in
Indonesia



Tony Villa 10, Uluwatu
14kWp Hybrid Solar System,
41 kWh Batteries



Haus Oliver, Bali
6kWp Hybrid Solar System,
12 kWh Batteries



Villa Dharma 1 & 2
8kWp Hybrid Solar System,
12 kWh Batteries



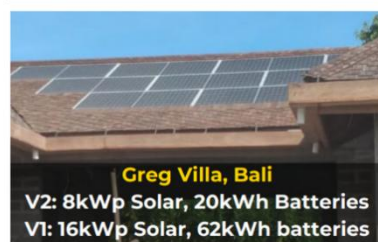
Villa Alm 1
12kWp Hybrid Solar System,
15 kWh Batteries



Tom & Helen, Lembongan
14kWp Hybrid Solar System
41 kWh Batteries



Guy Villa, Bali
8kWp Hybrid Solar System,
12 kWh Batteries



Greg Villa, Bali
V2: 8kWp Solar, 20kWh Batteries
V1: 16kWp Solar, 62kWh batteries



OUR COMPANY AND ELECTRICIANS ARE FULLY CERTIFIED



Management

Marc Pop
Managing Director

Danny Purnama
Operations Manager

Board

Benjamin Roos
Ms Sc.

Gabriel Sunwyn
Hydropower Specialist

Petra Schneider
Development Specialist

Engineering

Michael Widjaja
M. Sc. Renewable Energy
(GER)

Andre R. Geraldo
Bc. Of El. Eng.

I Putu Supardiasa
Bc. Of El. Eng.

Construction & Service

Nyoman Saputra Winata
Department Leader

I Wayan Sulastra
Senior Technician

I Ketut Kumara
Senior Technician

Antonius Kerans
Senior Technician

Harul Juliawan
Technician

Abdul Wahid
Technician

Antoni Jakobus
Junior Technician

Bambang
Junior Technician

Arkadius Bria
Junior Technician

Nada Wira Guna
Junior Technician

Sales

Kadek Diah Pradnyaswari Dewi
Sales Specialist

Rati Mustika Andini
Sales support

Support Services

David Jackson
Procurement & Admin

Ni Ketut Dariani
Procurement &





CONSIDER OUR FULL RANGE OF SMART PRODUCTS:



Highly Efficient AC & Cooling

Air Conditioning in tropical climates is a critical function. Not only is it by far the single biggest source of electricity consumption in a building, on average 60%, but it also serves vital functions that are often not well understood: dehumidification and air purification / sterilization.

[LEARN MORE](#)



Air Quality Solutions

The air you breath is critical for your health, productivity and well being. Whats more, the systems you implement for air control are important for increasing and maintaining the quality and value of your building.

[LEARN MORE](#)

Hot Water & Heat Pumps

One of the key energy consuming applications for a building, green and efficient alternatives to the standard equipment are now available

[LEARN MORE](#)



Control & Optimization

In the 21st century, you are used to connectivity at your fingertips, for 24-7 information access and remote communication. Why not implementing this technology to your building. Not only will it increase convenience and efficiency, it will also increase the quality and value of your building.

[LEARN MORE](#)



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