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energy.tech



SOLAR ENERGY



EFFICIENT AC SYSTEMS



AIR PURIFICATION & DEHUMIDIFICATION



SMART CONTROL SYSTEMS



HOT WATER



BATTERIES



# SOLAR ENERGY



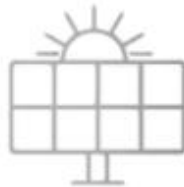
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Residential



Commercial



Off Grid



For Communities







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SOLAR ENERGY

GERMAN QUALITY  
SOLAR PANELS,  
WITH UNMATCHED  
WARRANTIES FOR YOU

144  
CELLS



PID  
RESISTANT



SALT CORROSION  
RESISTANT



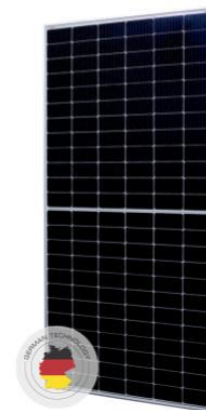
SAND  
RESISTANT



AMMONIA  
RESISTANT



HIGHLY STABLE  
AND TOUGH



### AE SOLAR HALF LARGE CELL 450W

Monocrystalline AE HM6L-72 450W

Photovoltaic Solar Panel

Plus-Sorting: 0 to +5 Wp

Module dimensions: 2094 x 1038 x 35 mm

Weight: 23KG

Performance Guarantee: 30 Years

Product Warranty: 12 Years

Pre-assembled with multi-contact MC4 plugs and jacks.

PID Free. Salt Mist Corrosion, Sand & Ammonia Resistant.

30  
years


Performance  
Guarantee

12  
years

Product  
Warranty



Deutsche  
Qualität  
Garantiert



# Solar Installation Types

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## Building Roof Options for solar arrays on:

- Flat Roofs
- Pitched Roofs
- Grass roofs



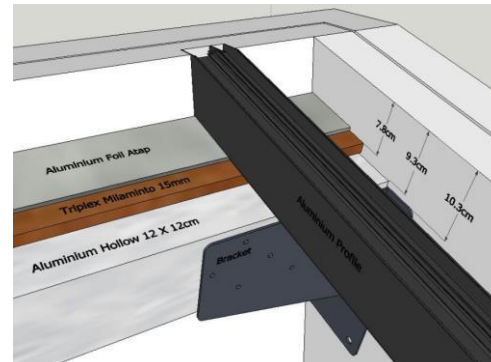




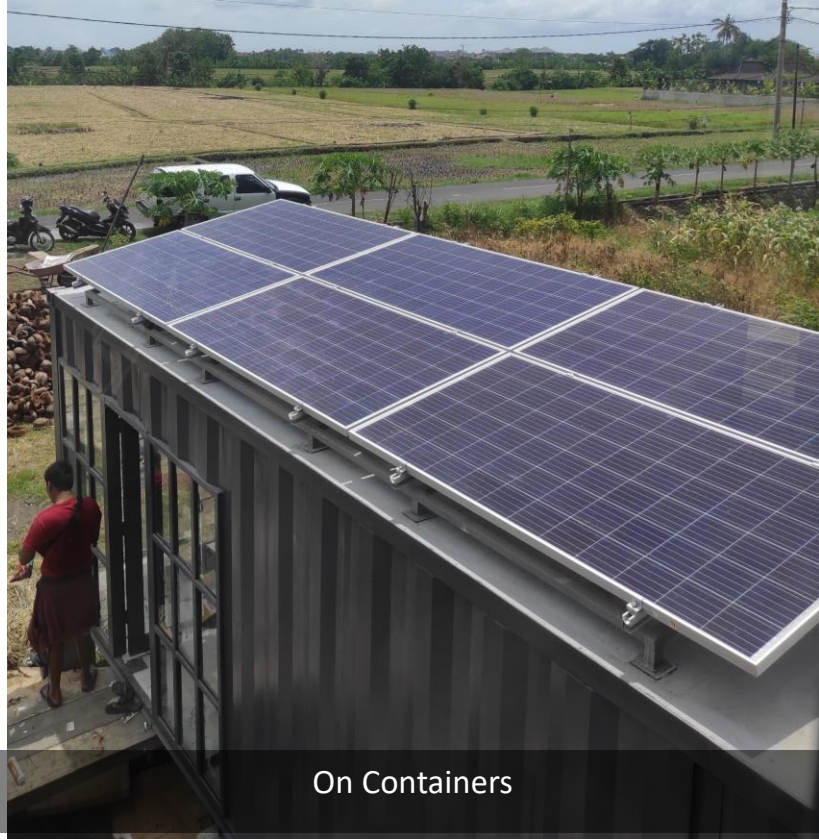
## Sun Roof Type –

Solar structure replacing the roof structure

- Custom built for the customer
- Complete with insulation and support structure
- 100% waterproof
- Maximising the solar yield from your roofspace
- Aesthetically pleasing, uniform roof







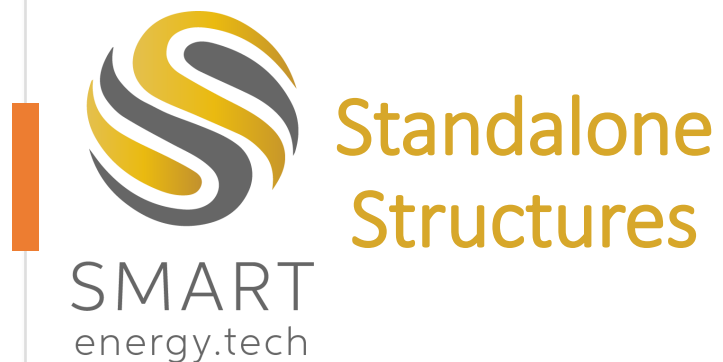
On Containers



Garage Structures



Standalone ground-mounted Arrays



If roofs prove to have wrong orientation, be not strong enough or simply for optical reasons not available, a solar array can be mounted on a free standing structure and create even useful cover/ protection





## Transparent Roof Panels Structures

Can be custom made to  
your requirement at our  
partner factory



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## Innovative Solar Structures — think outside the box

Flexible and lightweight panels offer even more design opportunities. We will work with you for creating a custom solution to make your solar project unique.

With our partner Sundaya we can build any solar project for you

LIGHT WEIGHT STRUCTURES



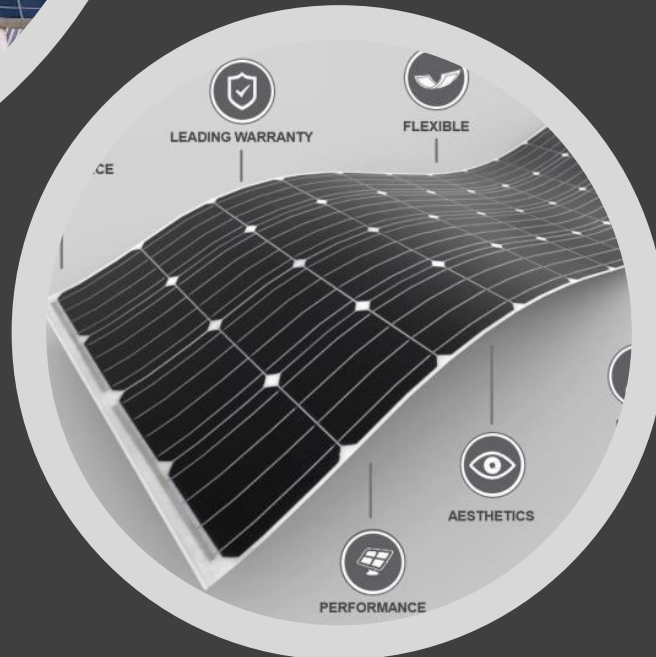
CURVED ROOFS



NO ROOF PENETRATION



BUILDING MATERIAL





# All Black Design Panel



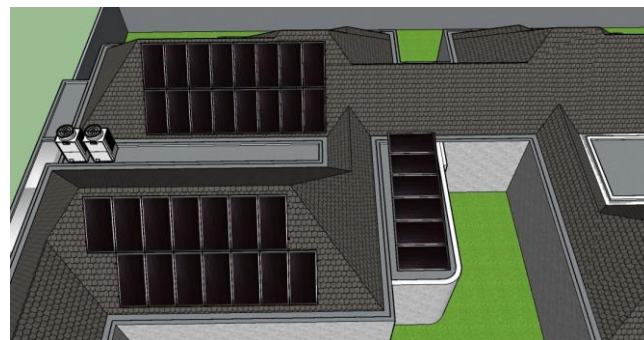
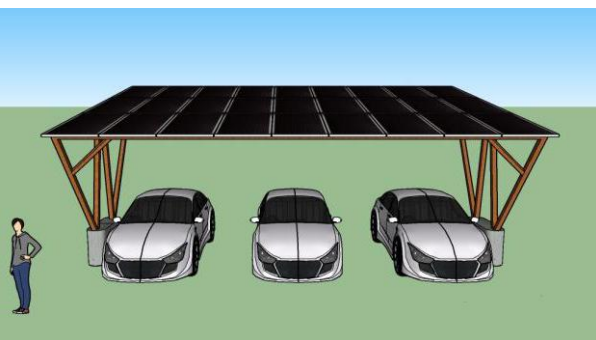
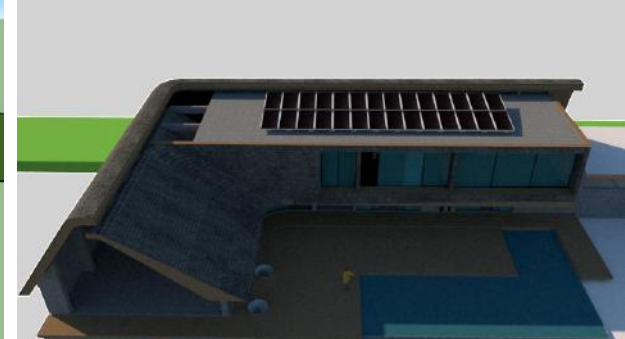
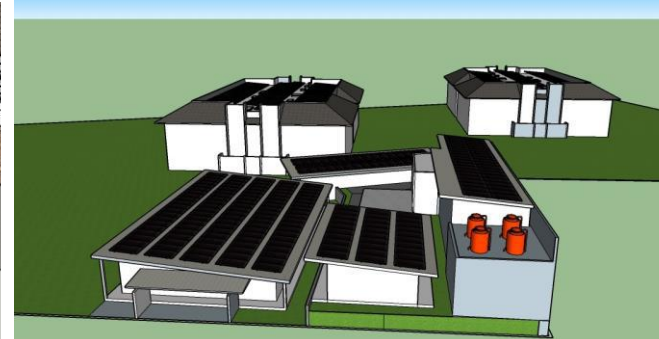
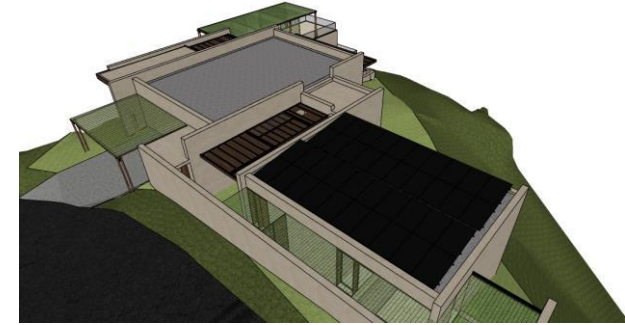
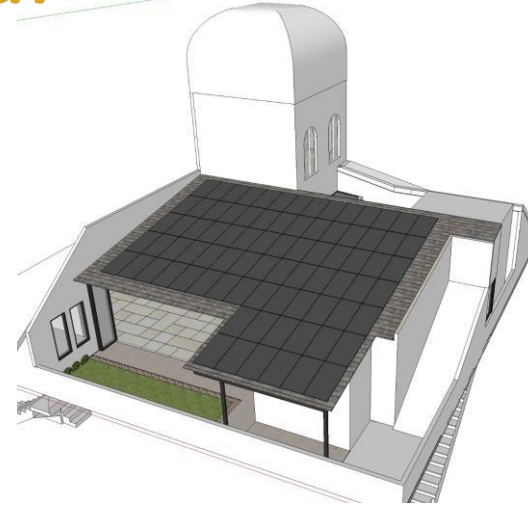
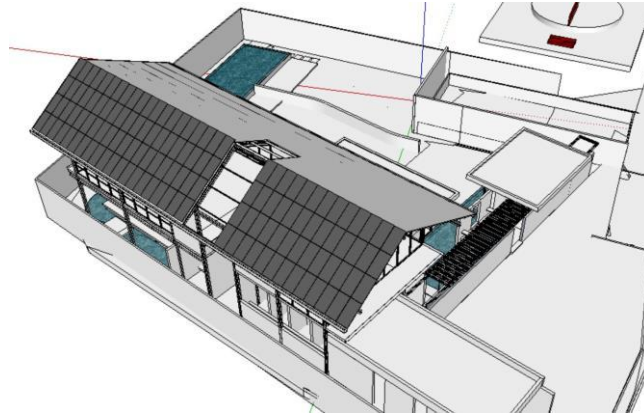
For seamless looking  
array choose our  
ECLIPSE design panel,  
sleek black look



# Visualization before approval



Our design team will show you what the solar array looks like before your final approval, to ensure you are satisfied







## BATTERIES



Residential

- Modular Li-ion
- 5.8kWh per module
- 6,000 cycles
- 5y warranty



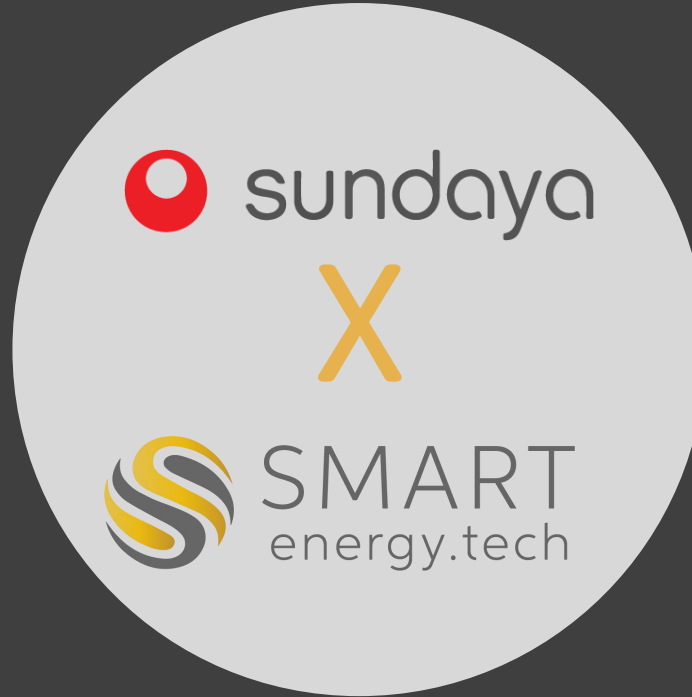
Commercial

- Customized to project
- Containerized





# Sundaya Lithium-ion Battery

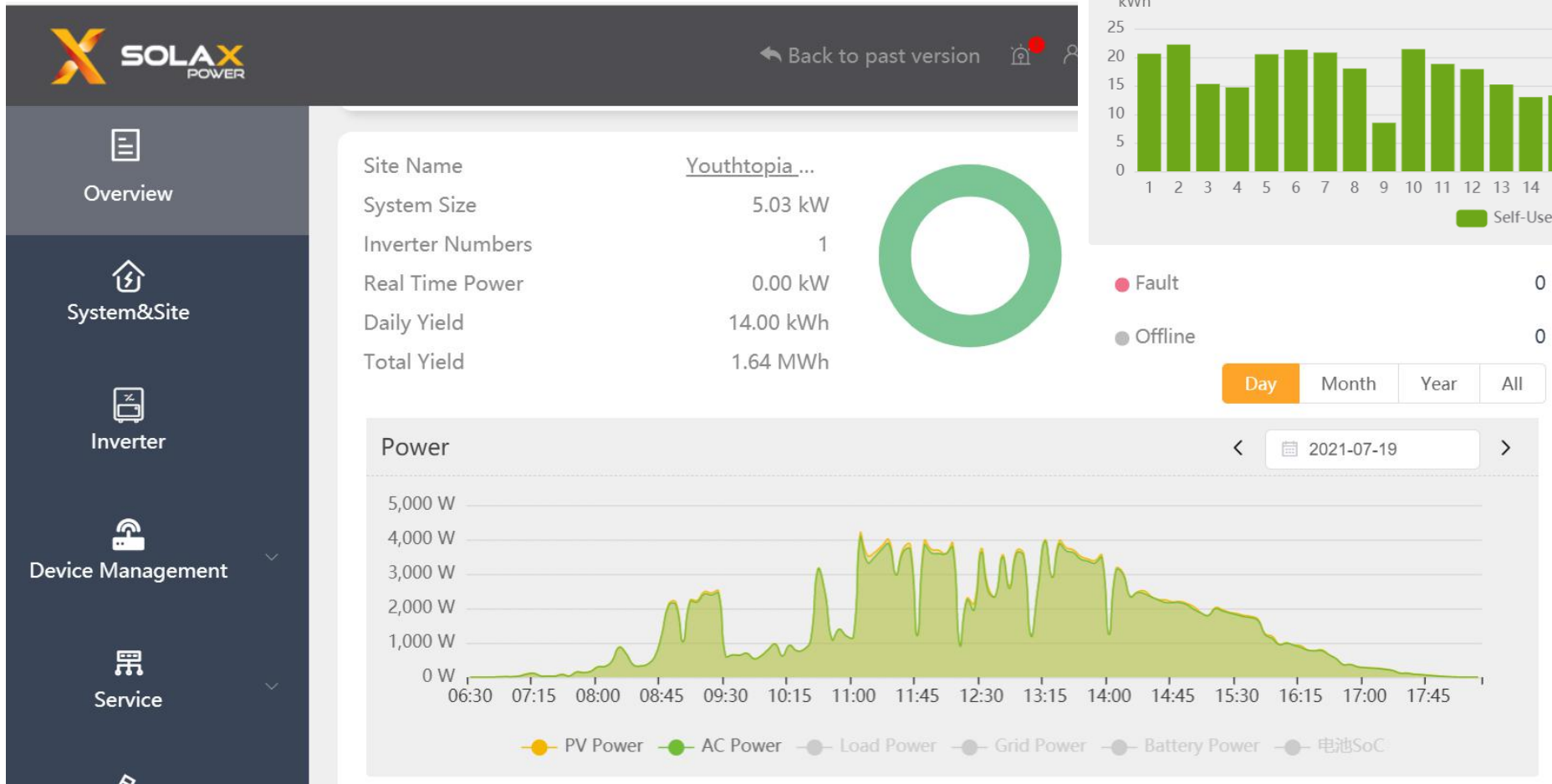


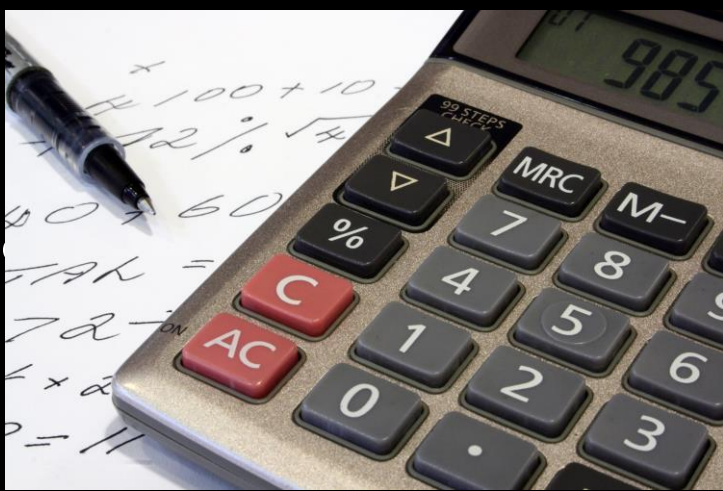
## Storage System Production, in Sentul

Smart is a dealer of the leading Indonesian Li-ion battery manufacturer Sundaya



# Solar Online Monitoring

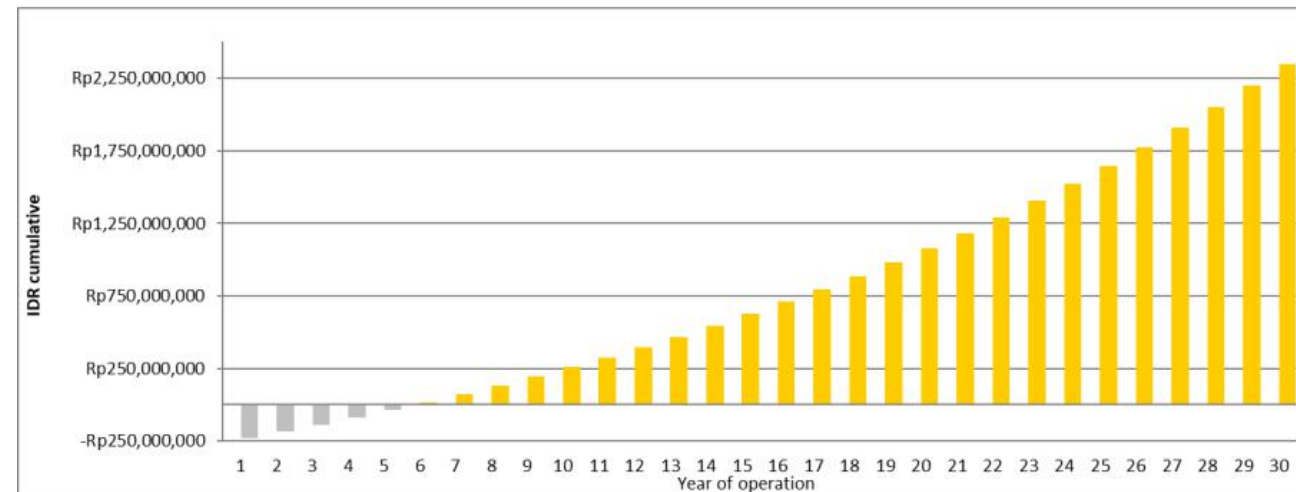




# GREAT FINANCIAL PERFORMANCE

Given the long lifetime of a system, our clients can enjoy outstanding financial returns from their solar systems, with break-even points as early as 5 years, and Rols reaching regularly over 600%

kW Solar Capacity	17.55 kWp
Battery Storage Capacity:	NA kWh
Output per day	74.9 kWh
Savings p. month (avrg, y1)	Rp 3,619,567 month
Output per year	27,345 kWh
Area required:	78 sqm
Payback Achieved:	year 6
Return on Investment:	952%
CO2 emissions saved	21,876 kg/y
CO2 savings over lifetime	656,280 kg







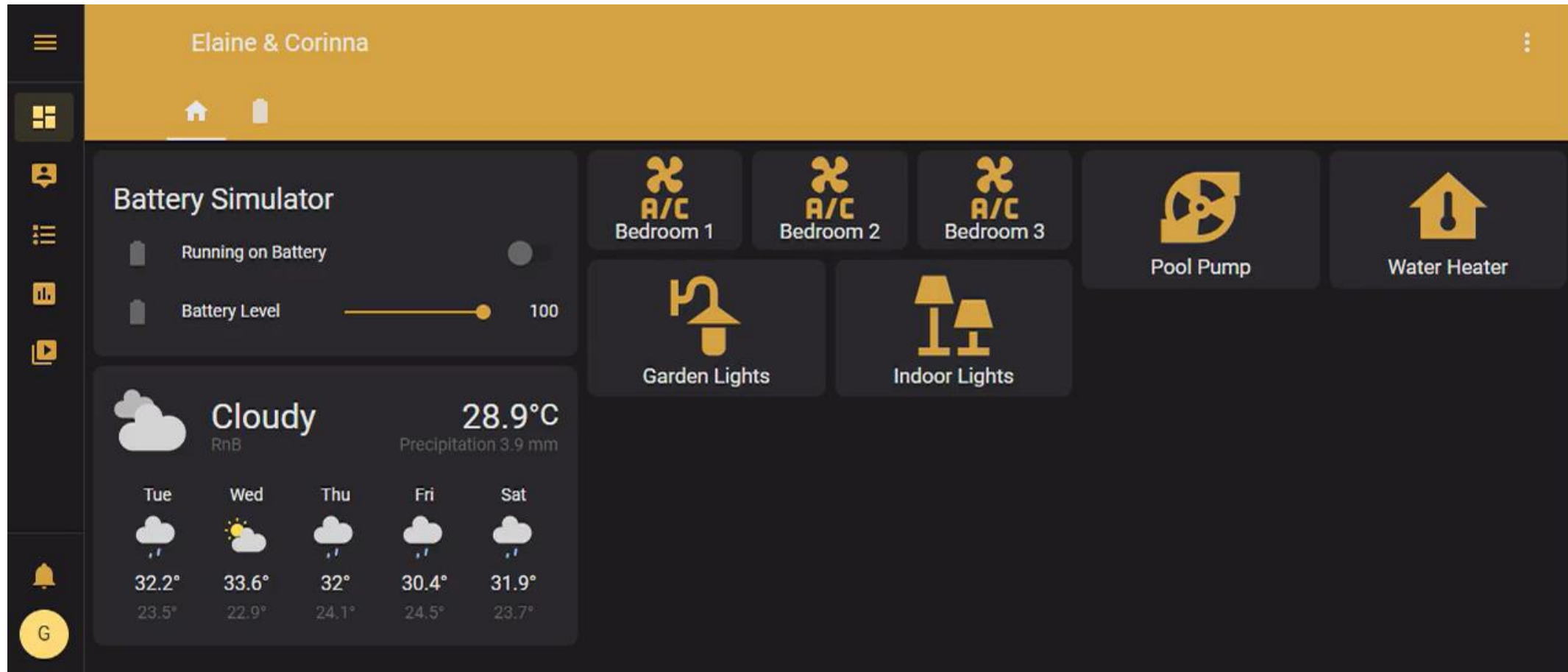
# SMART CONTROL SYSTEMS



Residential



Commercial





# Our Solar Project References

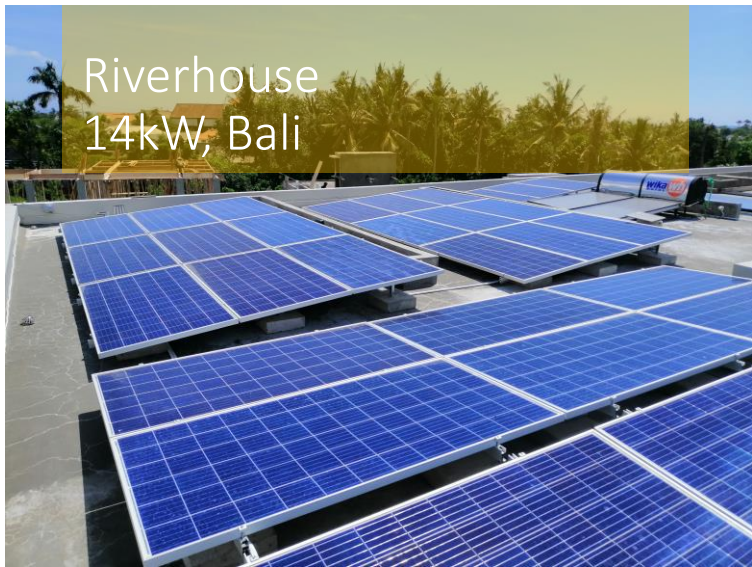




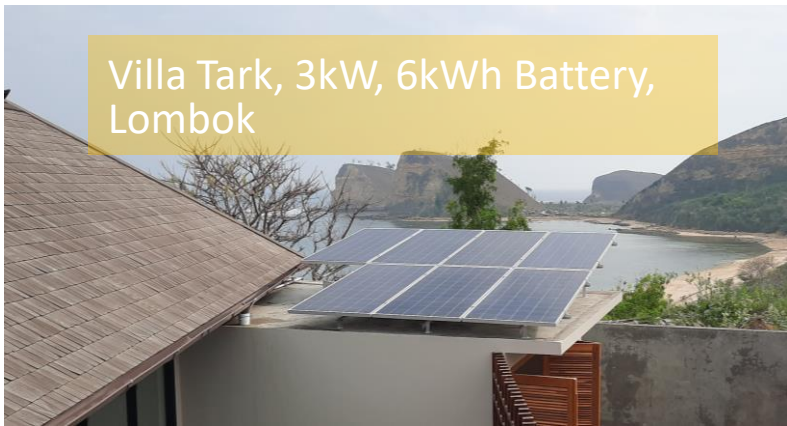
# Java, Bali + NTB projects



Villa Serena, 14kW Solar, 25kWh battery  
Lombok



White Trees, 15 KW,p + batteries  
Lombok



Haus Flora,  
7kW, Bali

Elementum Hotel  
8kW, Bali



Youthtopia Office,  
5kW, Bali



# Java, Bali + NTB projects

PU, Magelang,  
28kWp, Java



Villa Ava, 12kWp  
Solar, Sanur, Bali



The Wing Villa, 12kWp, Mas, Bali



Samara Office,  
8kWp + 11kWh batt + Ctrls, Sanur Bali



Amazing Lombok Resort,  
25 KWp + 11kWh batt,, Lombok

Mr Arif, 5kWp,  
Surabaya



Villa Kongo  
16kW, Umalas, Bali





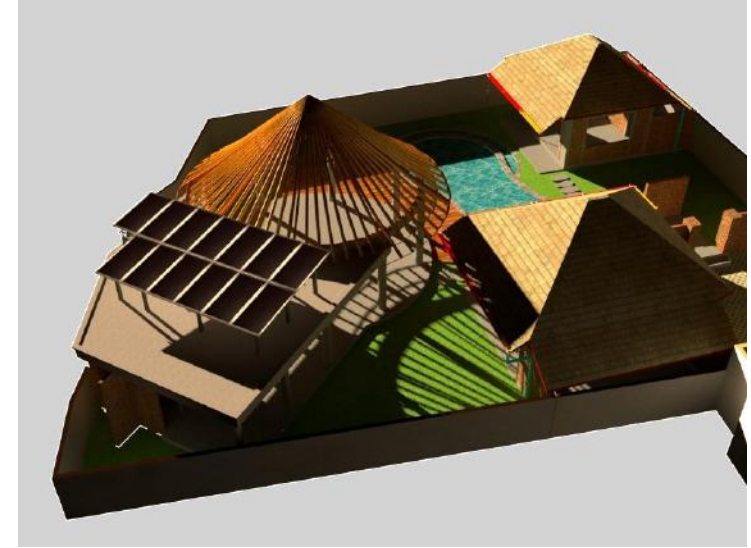
# References (continued)

**Villa Da Lucu,  
Ubudu:**

**12kWh  
battery  
+ 3kWp  
solar**



**Villa Ocean,  
Canggu Bali:  
5kWp + 6kWh  
battery**



**LOST resort, Medewi – 25kWp**



**Villa Marmar, Sanur – 6kW  
+ Battery**





## HK Office Tower 60 kWp, completed June 2019

Smart Energy Tech is dealer of Sundaya products and collaborating for large system installations



PH residence,  
15kW  
Jakarta



Sundaya, Factory  
Rooftop  
48kWp



Sentul City, Java  
Residential  
Rooftop  
7kWp



Senopati, Jakarta  
Residential "SunRoof"  
18kWp roof-integrated  
complete with insulation





Deptrans,  
Public Buildings Lampung







Dharmawangsa, Jakarta  
Residential  
100kWp





# OFF-GRID RESORTS



Pulau Macan, Java Barat  
remote resort, 4kWp  
including battery system “Joulestore”





Telcom Tower  
Base Stations  
150 Locations  
Throughout Indonesia





Project delivery:  
Anywhere in Indonesia,  
from big cities to  
remote islands





## Experienced Team

Our team of trained professionals has executed over 100 projects in Indonesia, from AC systems to solar systems to building control systems. Some of the highlights are:

- - Samator factory, 1MWp solar on grid system
- - PT HM Somporna Factory: 500kWp
- - PT Ungaran Sari Garment 200kWp



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sundaya

...and many more



# What Our Customers Think

*"Since I found Marc and his team from Smart Energy Tech I haven't worked with any other solar company or suppliers. They provide the quality, the expertise, the warranty and the confidence I had been looking for in Lombok for years. As an architect and project manager in charge of high quality projects I need to work with professional companies that provide smooth execution and accommodating of changes while taking the time to ensure a good project design and client communication. And not only that but also, they assisted PLN with the installation of Lombok's first NET METER when we did our latest Net Zero project together.*

*With no doubt they are probably the more knowledgeable, trustworthy, and reputable solar company in Lombok."*

- Ms Paula Andres, Lombok

*"Smart Tech took a thorough look at our needs and then provided good solution - one that works for Bali. Good follow up and a useful App. It's fun to see the sun generate power."*

- Mr Andrew Burrell, Bali

*"Marc and his team delivered a perfectly working solar system at a very fair price, and worked well with our contractor for design integration. Will be going back for system expansion and happy to recommend their equipment and service to anyone"*

- Mr Florian Holm, Bali





# Our Offices in Indonesia

[www.smartenergy.tech](http://www.smartenergy.tech)

## Jakarta

Sales Office:  
Lvl 15, One Pacific  
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SCBD, Jakarta Selatan  
Tel: 021 2550 2413

## Semarang

Representative Office: PT KTP  
Jl Perum, Permata Garden blok  
C 5-6 Kauman kidul sidorejo  
salatiga jawa tengah  
Tel.: 082133757845

## Bali

HQ & Workshop:  
Jl Bypass Ngruah Rai No 178,  
Sanur, Denpasar Selatan  
Tel: 0812 4687 6548  
[info@smartenergy.tech](mailto:info@smartenergy.tech)

## Lombok

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West Nusa  
Tenggara  
83573

