



GERMAN-based company ●●●



**ON-GRID INVERTER CATALOGUE** 



# EXPERIENCE THE COMFORT *of the future*



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# TOMMATECH PORTAL



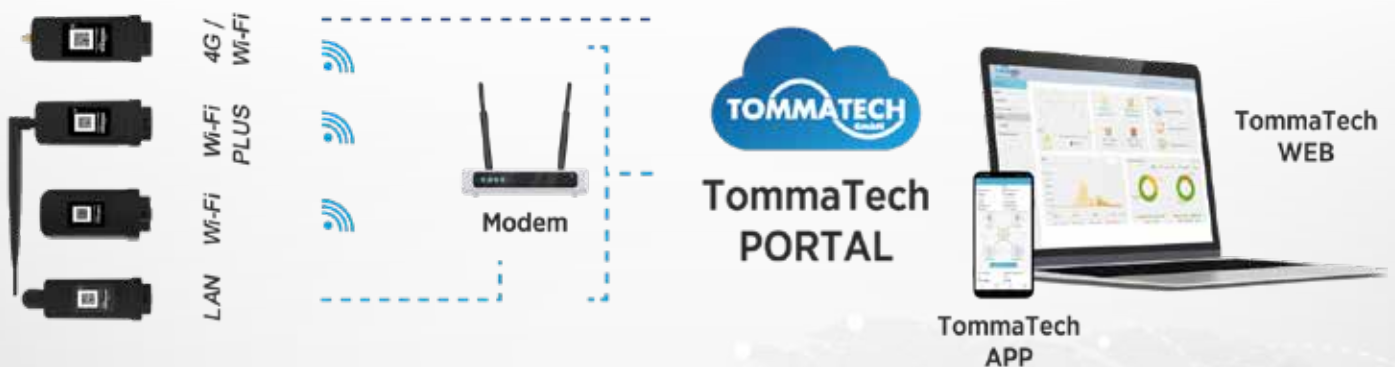
## "One Brand, One App"

### Easy to Use

With TommaTech Portal, you can easily monitor and control all your devices remotely through a single application. From the voltage and current values you receive from the panels to the charge rate of your high voltage battery, from the instantaneous power requirement of your home to the instantaneous consumption of the EV Charger, from the operating mode selection of the hybrid inverter to the water temperature change via the heat pump, you can make many setting changes and remote monitoring.

### Easy Access

Thanks to various remote monitoring accessories, it offers the option to monitor remotely, either wired or wirelessly, depending on the installation location. You can easily log in from anywhere at any time via WEB or APP. By logging in via WEB, you can access the detailed data of your system and create reports on a daily, monthly or annual scale.



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For a cleaner **World**

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## ON-GRID AND HYBRID INVERTERS

### WHAT ARE ON-GRID AND HYBRID INVERTERS?

TommaTech new generation On-Grid inverters convert the DC electricity from the panels into AC electrical energy and power your home from the sun. TommaTech on-grid inverters provide unrivaled performance and allow you to harvest the maximum possible amount of energy from solar panels. Hybrid inverters are different from other inverters used in solar systems because they come with a battery charger and battery management system. This way, when the solar panels generate excess energy, the energy can be stored in batteries and used later when needed.

### HOW DO ON-GRID AND HYBRID INVERTERS WORK?

DC electrical energy is generated when the sun's rays from the atmosphere come into contact with the solar panels. The generated energy is connected to the central city grid system with on-grid inverters that have high conversion power and can be connected to the central grid. Thus, the energy generated from the panels is sent directly to the grid system. If the area and irradiation conditions are suitable, it is possible to produce electricity at the desired power with the on-grid electricity generation system. Hybrid inverters can also be used during power outages compared to on-grid inverters. The energy stored thanks to special lithium batteries can provide uninterrupted energy for homes and businesses during a power outage with an external output called EPS (Emergency Power Supply). Hybrid inverters are an important technology that increases the efficiency of renewable energy systems and provides energy independence.

### WHY ON-GRID AND HYBRID INVERTERS?

On-grid systems are very advantageous in terms of minimizing electricity bills in residential and commercial areas. At the same time, it can be used to generate additional income with sales transactions. Hybrid inverters can be used even if the electricity is cut off thanks to their storage advantage.

### WHERE ARE ON-GRID AND HYBRID INVERTERS USED?

It is used in factories, workplaces and residences with high electricity bills.



*The most important investment is investment in*  
**NATURE AND PEOPLE**



Solar Panel

Hybrid Inverter

Lithium Battery

Heat Pump

EV Charger

*Enjoy uninterrupted power!*

## ADVANTAGES OF ON-GRID INVERTERS

- The system does not use storage units such as batteries, so there is no additional cost for storage.
- Since the system is on-grid, the grid will be activated when the instantaneous energy produced is not enough and the loads can be fed uninterruptedly.
- It provides ease of remote monitoring.
- Easy installation and assembly.
- When designing the system, since there is no obligation to meet the entire load, it has the flexibility to design according to the desired amount or area.
- If the area is sufficient, the installed capacity of the system can be increased.

## ADVANTAGES OF HYBRID INVERTERS

- Hybrid inverters have redundant power capacity, thus providing uninterrupted power in all conditions.
- They can operate in both on-grid and off-grid systems.
- In addition to storage capacity, it has high efficiency.
- It provides your electricity from the sun, batteries and the grid.
- It can be used as an off-grid solar energy system in case of power outage.
- Provides ease of remote monitoring.
- They have easy installation and assembly.





# Our Products



UNO SERIES



TRIO SERIES



HYBRID SERIES



3.0kWh LITHIUM BATTERY



5.8kWh LITHIUM BATTERY



30KWH-M12K



60KWH-M50K

## CABINET ENERGY STORAGE SYSTEMS

# TOMMATECH UNO SERIES SINGLE PHASE STRING INVERTERS

## UNO ATOM SERIES SINGLE PHASE STRING INVERTER



0.6/ 0.7/ 1.1/ 1.5/ 2.0/  
2.5/ 3.0/ 3.3/ 3.6 kW



TommaTech Uno-Atom string inverters are engineered to be installed in the smallest of spaces without lacking performance. With a maximum efficiency of 98.0% and a market leading low start-up voltage of 50V, Uno-Atom inverters ensure an outstanding performance, allowing you to harvest the maximum amount of energy possible from your PV solution, whether is installed inside or outside.

## UNO HOME SERIES SINGLE PHASE STRING INVERTER



3.0/ 3.3/ 3.6/ 4.2/ 4.6/  
5.0/ 5.5/ 6.0 kW



To offer the best solution for every customer, we developed 8 single phase string inverters ranging from 3kW to 6kW. The wide voltage range of two inbuilt MPPTs allow for harvesting with a maximum efficiency of 97.8%. Additionally, TommaTech Uno-Home plug & play inverters with an LCD touch screen are IP66 rated and can be monitored online with a Wi-Fi accessory.

# TOMMATECH TRIO SERIES THREE PHASE STRING INVERTERS

## TRIO ATOM - ATOM K-SERIES THREE PHASE STRING INVERTER



3.0/ 4.0/ 5.0/ 6.0/ 7.0/ 8.0/  
 9.0/ 10.0/ 12.0/ 15.0 kW



TommaTech Trio Atom - Atom K Series Three Phase String Inverters stand out among its competitors in terms of quality, reliability and efficiency. In the series with a wide product range, it provides a maximum efficiency of 98.5% with a wide MPPT voltage range in various power options, making it possible to produce solar energy at the highest level. It has IP65 protection class certification. Wi-Fi option is also available for remote monitoring in inverters.

## TRIO PLUS K-SERIES THREE PHASE STRING INVERTER



8.0/ 10.0/ 12.0/ 15.0/ 17.0/  
 20.0/ 25.0/ 30.0 kW



Ranging from 8kW to 30kW, TommaTech® Trio Plus K-Series Dual and Triple MPPT on-grid inverters offer maximum flexibility thanks to a market-leading PV input voltage of 1.100V and maximum input currents of 20A for high-power solar panels. This, combined with maximum efficiencies of 98.5% , various communication and online monitoring options as well as IP66 design, make these inverters your preferred choice for any residential solar solution.

## TOMMATECH HYBRID SERIES INVERTERS

TommaTech Hybrid Inverter series with various product range can be used in single-phase and three-phase systems with high efficiency. They are designed to be compatible with lithium battery solutions. In addition to offering a variety of products that can work with high voltage and low voltage lithium batteries, it can also work in installations without mains connection. Thanks to their support for parallel connection, the devices offer solutions for high AC power or storage needs.



### UNO HYBRID K-SERIES SINGLE PHASE HYBRID INVERTER



3.0/ 3.7/ 5.0/ 6.0/ 7.5 kW

### TRIO HYBRID SERIES THREE PHASE HYBRID INVERTER



5.0/ 6.0/ 8.0/ 10.0 kW

### TRIO HYBRID K-SERIES THREE PHASE HYBRID INVERTER



5.0/ 6.0/ 8.0/ 10.0/ 15.0 kW

### TRIO-HYBRID 12.0K 48V F-SERIES THREE PHASE HYBRID INVERTER



12 kW

# TOMMATECH HIGHTECH POWER LiFePO<sub>4</sub> LITHIUM BATTERIES

## 3.0 kWh LiFePO<sub>4</sub> LITHIUM BATTERY HIGHTECH POWER



3.0/ 6.0/ 9.0/ 12.0 kWh



Maximize your solar benefits with our durable and scalable battery solutions. The safest LiFePO<sub>4</sub> technology ensures long term and high-performing operation with more than 6000 life cycles at 90% DoD with marginal self-consumption. Up to 4 of our TT-3.0kWh batteries can be equipped effortlessly with a BMS for maximal customization.

## 5.8 kWh LiFePO<sub>4</sub> LITHIUM BATTERY HIGHTECH POWER



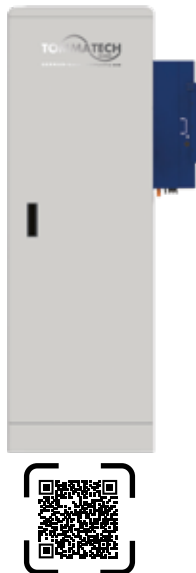
5.8/ 11.5/ 17.3/ 23.0 kWh



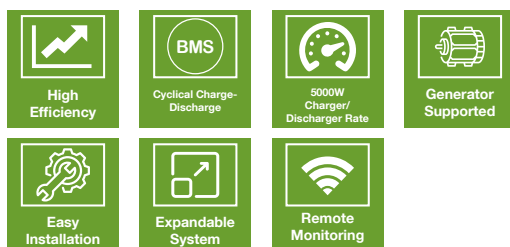
Maximize your solar benefits with our durable and scalable battery solutions. The safest LiFePO<sub>4</sub> technology ensures long term and high-performing operation with more than 6000 life cycles at 90% DoD with marginal self-consumption. Our GeneralPacks with inbuilt BMS can effortlessly be upgraded with up to 3 BoosterPacks to increase backup times and savings.

# TOMMATECH CABINET ENERGY STORAGE SYSTEMS

## TOMMATECH CABINET ENERGY STORAGE SYSTEMS 30kWh - 12kW



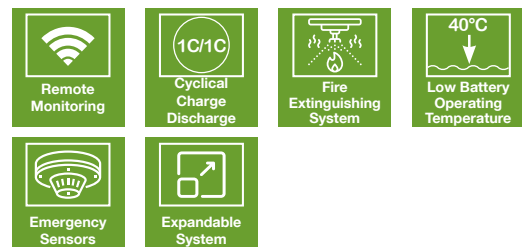
30 kWh - 12 kW



## TOMMATECH CABINET ENERGY STORAGE SYSTEMS 60kWh - 50kW



60 kWh - 50 kW



TommaTech offers a unique energy experience to its users by integrating the battery and inverter with its new generation solution that surpasses traditional energy systems. The power and energy storage system created using LFP technology with the ability to charge from solar panels helps to manage energy production in the most efficient way thanks to smart inverter technology. The cabinet system has 12 kW inverter power and 30 kWh storage capacity. By utilizing clean energy from solar panels, it adopts an eco-friendly approach and provides sustainable energy.

ESS 60kWh-50kW cabinet system, which is part of TommaTech Cabinet Energy Storage systems, can be increased from 50 kW AC power to 500 kW AC power as inverter capacity and from 60 kWh to 3600 kWh storage capacity as storage capacity. The cabinet system is equipped with various sensors and protection equipment to maximize safety. It provides the opportunity to create the most suitable system for high storage capacity demands.

Make your

**choice for**

a livable future!



# TOMMATECH GmbH

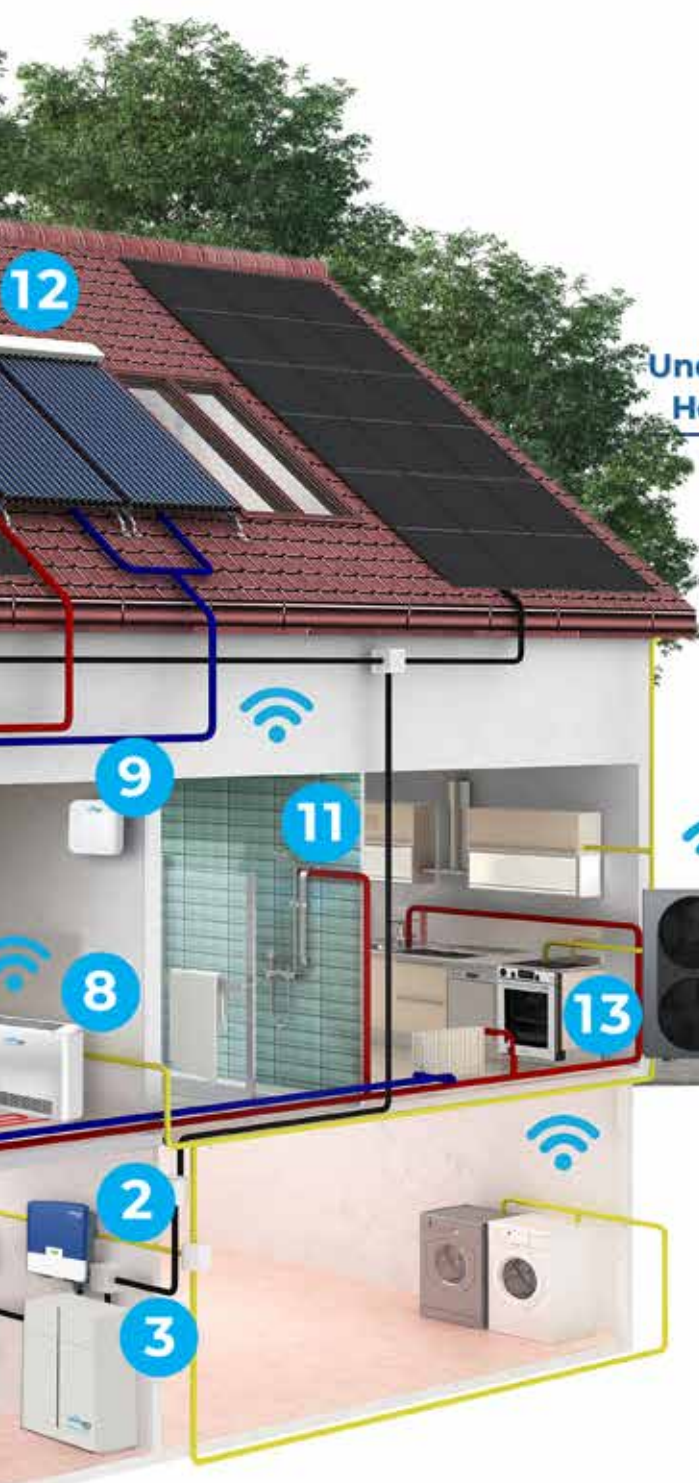
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"Experience the comfort of the future."

Control your home easily with TommaTech PORTAL.





1 PV Panel	2 Inverter	3 Lithium Battery	
4 EV Charger	5 Smart Meter	6 Pool Type Heat Pump	
7 Residential Heat Pump	8 Fan Coil Heating & Cooling	9 Room Thermostat	
10 Underfloor Heating	11 Hot Water	12 Solar Thermal Panel	13 Household Appliances



Half-Cut



16BB  
n-Type

### TOMMATECH TOPCON MONOCRYSTALLINE 108TNB10 SOLAR PANEL

435 Wp/ 440 Wp/ 445 Wp/ 450Wp



### TOMMATECH TRIO HYBRID K-SERIES INVERTER

Three Phase Hybrid Inverter

5.0/ 6.0/ 8.0/ 10.0/ 15.0 kW



### TOMMATECH HIGHTECH POWER SERIES LITHIUM BATTERY

3.0/ 6.0/ 9.0/ 12.0 kWh  
5.8/ 11.5/ 17.3/ 23.0 kWh



3.0kWh



5.8kWh

**RESIDENTIAL / POOL TYPE**

**Heating & Cooling & Hot Water Monoblock Heat Pump**

Residential 6/ 9/ 13/ 16 kW MF-16/20/ 26 kW TF  
 Pool Type 21 kW MF/ 28 kW TF



Pool Type



Residential

**TOMMATECH EV CHARGER**

**Fast 22 kW AC EV Charger**

22 kW



With cable

Without cable



**TOMMATECH SOLAR CARPORT**

Single Car Solar Carport Packages

Two Car Solar Carport Packages

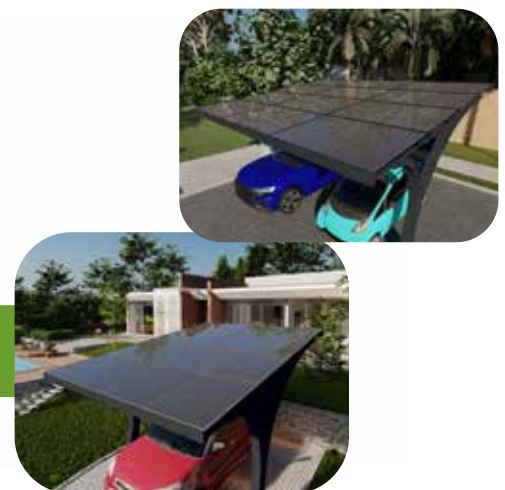
430/ 590 Wp



430Wp



590 Wp





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