



GERMAN-based company ●●●



OFF-GRID INVERTER CATALOGUE 



eco-friendly
“unlimited energy”

WatchPower

With the WatchPower App, remote monitoring, battery parameter settings and voltage range value can be changed remotely in PLUS series and M PLUS series devices. It offers the ability to remotely change the load supply priority parameter. You can access the application easily and free of charge from Google Play Store and App Store stores. After installation, it saves the generated power to the cloud on a daily, monthly and annual basis. Daily, monthly and annual data can be excel documented as a report.





For a cleaner **World**

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Scan the QR code for other packages.

WHAT IS AN OFF-GRID INVERTER?

5 Ws and H with TommaTech

WHAT IS AN OFF-GRID INVERTER?

It is a device produced with the aim of feeding the electrical energy produced from solar panels to the loads of the house where there is no grid connection.

HOW DOES AN OFF-GRID INVERTER WORK?

Off-Grid inverter basically works with the principle of the inverter circuit inside. The DC electrical energy generated from solar panels is converted into AC electrical energy used in homes or workplaces with the inverter circuit.

WHY OFF-GRID INVERTER?

It provides users with an uninterrupted energy source by using the power in the battery in overcast weather or in the evening hours, which can store energy by connecting the battery, and allows users to obtain electricity from the sun regardless of whether the grid is or is not continuous.

WHERE TO USE AN OFF-GRID INVERTER?

It is one of the alternatives used in systems with grid electricity and self-consumption or in areas where there is no grid electricity, there will be high cost for the grid line and power outages are frequent.

WHEN TO USE OFF-GRID INVERTER?

It can be used at temperatures between 10 and 50 °C without any time condition.

WHO CAN USE OFF-GRID INVERTER?

Anyone with a small solar power plant can use it.

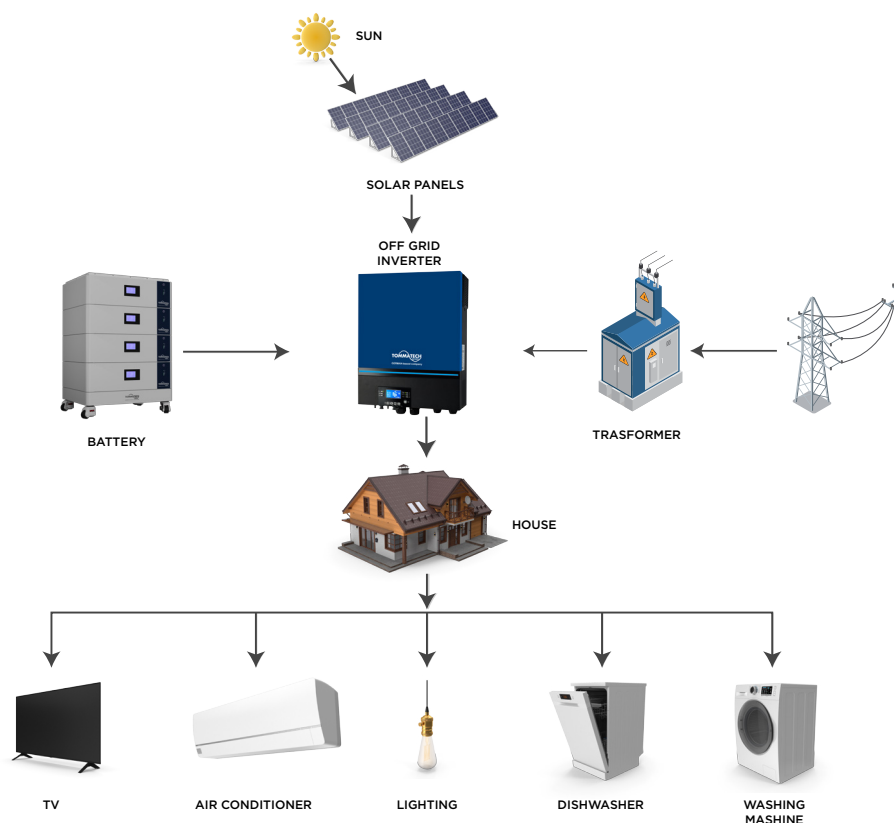


OFF-GRID INVERTER WORKING PRINCIPLE

In the Off-Grid system, the DC power generated from the solar panel or battery is supplied to the inverter. The inverter consists of a capacitor and inductor circuit against the sudden change in its direction and the current starts to rise and fall, creating a sinusoidal waveform. The waveform produced is either a pure or a modified waveform.

ADVANTAGES OF OFF-GRID INVERTER

- Energy self-sufficiency.
- Energy self-sufficiency is also a form of security.
- The biggest advantage of an off-grid system is 100% independence.
- There is no need to pay any fees for electricity costs.
- 100% protection against rising energy prices.
- The system also protects you from grid-connected power outages.
- The system installation time is very short, so there is no need for a long time.
- Installation is very easy. There are no long and tiring assembly stages.
- There is also the possibility to increase off-grid systems in line with your needs later.
- Off-grid systems do not need an extra generator. In this way, this expense is also saved.
- As with all renewable energy sources, off-grid systems are eco-friendly.
- There is no gas emission to the environment.
- Integrated with the battery in areas where the grid is not available. In this way, energy is provided in areas where there is no electricity.
- Off-grid systems are long-lasting.
- There is only one installation cost, there will be no extra invoice afterwards.
- They are easy to maintain systems. They do not need much maintenance, periodic general maintenance is sufficient.



Our Products



NEW SERIES
SMART INVERTERS



NEW PRO SERIES
SMART INVERTERS



5.6kW PLUS SERIES
SMART INVERTER

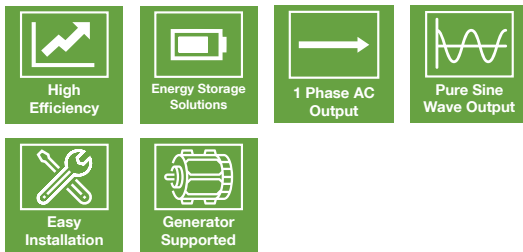


M PLUS SERIES
INVERTERS



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

TOMMATECH NEW SERIES SMART INVERTERS



- TT-NEW1K
- TT-NEW3K
- TT-NEW5K

NEW SERIES SMART INVERTERS

It offers a choice of PWM and MPPT charge control, allowing you to choose the most suitable device for your needs.

- Generator Starting Function
- PWM or MPPT Option
- Selectable input voltage range
- Fast set up
- Compatible to different AC sources
- Overload and short circuit protection
- Cold start function
- Optional anti-dust kit

Product Package Contents

- Inverter
- User Manual
- Communication Cable
- Software CD
- Dc Fuse (Only for 3k/5k Models)
- Ring Terminal (Only for 3k/5k Models)
- Strain Relief Plate X 2 (Not for Mppt 1k/2k Models)
- Screw X 4 (Not for Mppt 1k/2k Models)

TOMMATECH NEW PRO SERIES SMART INVERTERS

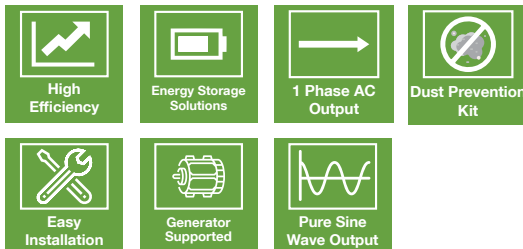


- TT-NEWPRO1.2K
- TT-NEWPRO2.5K
- TT-NEWPRO3K
- TT-NEWPRO5K

NEW PRO SERIES OFF-GRID INVERTERS

High PV input power, battery-independent design, dust protection and easy maintenance options allow you to choose the right device for your needs.

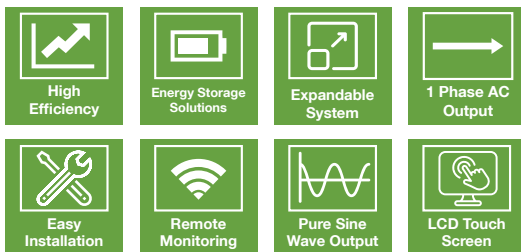
- Full sine wave type inverter
- Reserved communication port for BMS
- Wide DC solar input range
- Battery independent design
- High charging current support
- Battery synchronization function to optimize battery performance and extend lifespan
- Anti-dust kit



Product Package Content

- Inverter
- User Manual
- Communication Cable
- Strain Relief Plate
- Screws x2

TOMMATECH 5.6kW PLUS SERIES SMART INVERTER



■ TT-PLUS 5.6kW

5.6kW PLUS SERIES OFF-GRID INVERTER

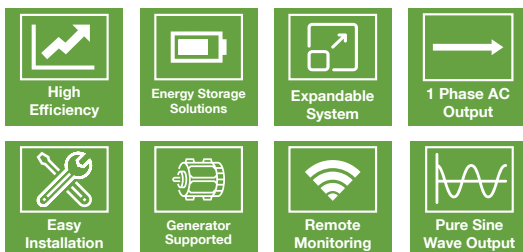
Touchscreen and full sine wave output inverter for remote monitoring with built-in Wi-Fi offers a choice to suit your various needs.

- Pure sine wave output
- Touchscreen buttons with 4.3" colored LCD
- Self-consumption and Feed-in to the grid options
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes
- Built-in Wi-Fi for mobile monitoring
- Reserved communication port for BMS
- Parallel operation up to 9 units

Product Package Content

- Inverter
- Software CD
- User Manual
- Communication Cable

TOMMATECH M PLUS SERIES INVERTERS



Product Package Contents

- Inverter
- User Manual
- Software CD
- Rs-232 Cable
- Parallel Communication Cable
(Only for 7.2kW and 11kW models)
- Current Sharing Cable
(Only for 7.2kW and 11kW models)
- DC Fuse
- 4x Cable Gland
- PV Connector

- TT-MPLUS-3.6K
- TT-MPLUS-7.2K
- TT-MPLUS-11K

M PLUS SERIES OFF-GRID INVERTERS

High PV input power, protected against dust, easy maintenance, parallel connection options and built-in Wi-Fi allow you to choose the right device for your needs.

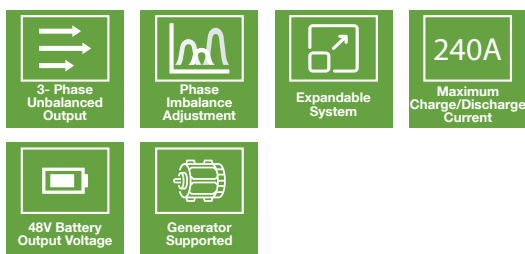
- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring via WatchPower App
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for effortless maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional 100W DC Output
- Parallel operation up to 6 units available for 7.2kVA and 11kVA

TOMMATECH F SERIES HYBRID INVERTER



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

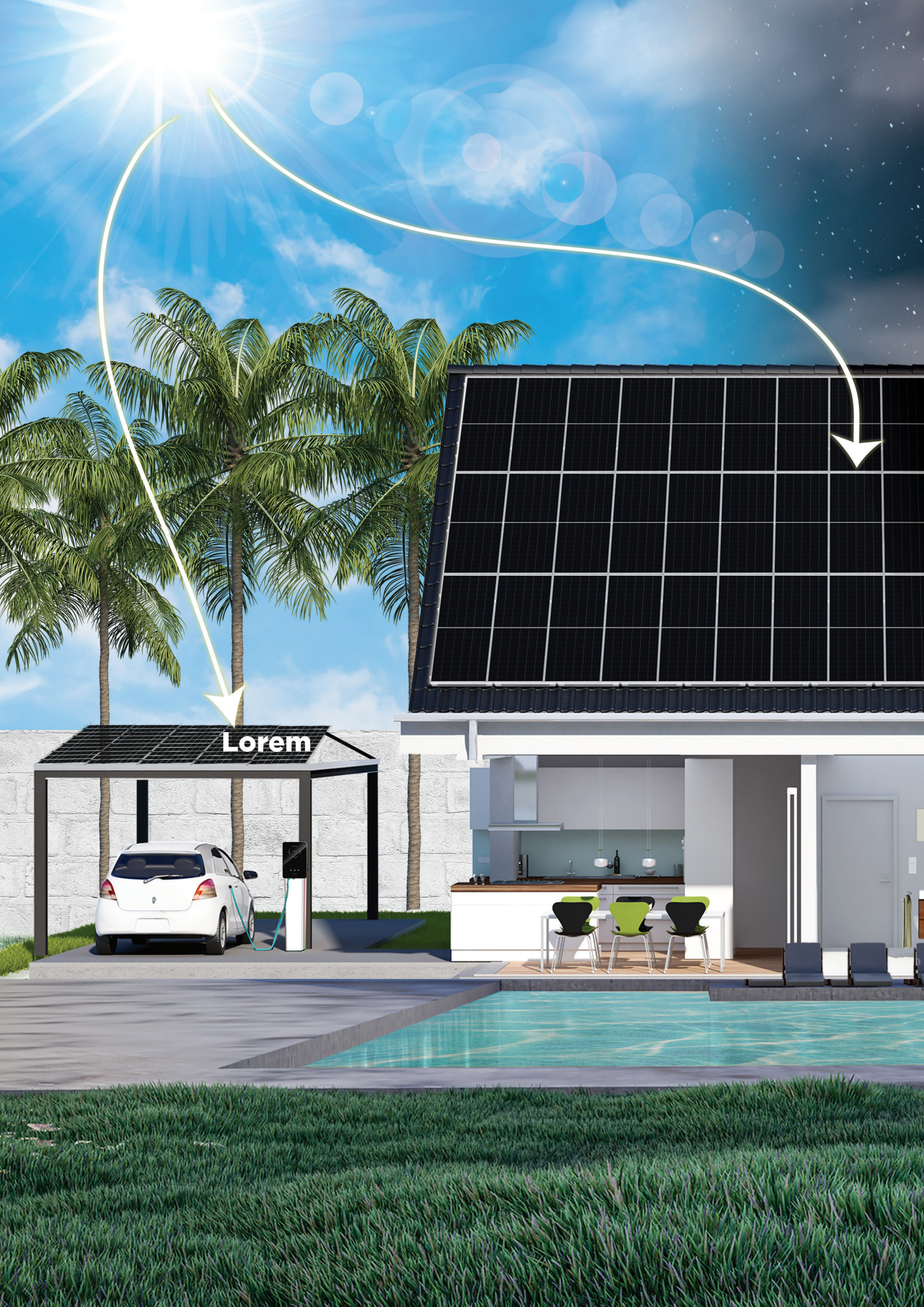
TommaTech Trio Hybrid F-Series 12kW Three Phase LV Hybrid Inverter, in addition to its phase imbalance output support feature, is an ideal solution for low voltage battery applications with a 48V battery system voltage. The inverter series, which works perfectly with TommaTech LV Lithium Batteries and has remote control capability, can be easily preferred for both residential and commercial projects. With its 12kW power, the hybrid three-phase inverter can reach high capacities with up to 10 units in parallel, and at the same time, this power can be sustainably supported by lithium batteries.



Product Package Contents

- Hybrid inverter
- Parallel communication cable
- Battery temperature sensor
- User manual
- Smart Meter
- DC+ / DC- Plug connectors including metal terminal
- Wi-Fi-Plug
- Wall mounting bracket
- Sensor Clamp

- 127/220VAC, 133/230VAC and 60/50Hz, Three phase system
- 2 MPPTs, maximum efficiency up to 98.6%
- Zero export application, Virtual Synchronous
- Generator (VSG) Applications
- Smart Monitoring (Optional)
- Wide output voltage range
- Anti-PID function (optional)



Lorem



All you need is
the sun

3 Panels (430Wp) 1.2kWe Off-Grid (12V) Solar Package

PACKAGE CODE: OFG-1.2KWE-12V-3P

1.2
kWe



3
Pieces

What Can It Power?

With this system, which is easy to install, you can power your electronic devices such as laptop, television, mini fridge, washing machine and also meet your needs in terms of lighting and charging cell phone.

HOW LONG CAN EACH DEVICE WORK WITH THIS PACKAGE	Fridge	Washing Machine	Dishwasher	Laptop	TV	5W DC Lamp & 11W Energy Saving Lamp	Vacuum Cleaner	Mobile Phone Charging, Toy Charging, Mp3, Radio Player Charging
1 A++ Energy Class Mini Fridge for 12 Hours	1 Piece A energy Class 30° per 30 Minutes 30° per Day	-	-	For 8 Hours Excluding Peripherals	1 Pc. 60 Inch LCD LED TV for 10 Hours	2 LED Lamps for 12 Hours 2 Energy Saving Lamps for 12 Hours	-	2 of Each Device for Unlimited Time

PACKAGE CODE	USED SOLAR PANEL (Pcs)	SYSTEM VOLTAGE (V)	AVERAGE ENERGY PRODUCTION PER DAY (Wp)	INVERTER CAPACITY (W)	USED PANEL AREA (m²)	USED LITHIUM BATTERY (V/Ah)	ENERGY STORAGE CAPACITY (Wh)	AVAILABLE POWER (Wh)
OFG-1.2KWE-12V-3P	3 x 430 (TN10)	12	5160	1200	5.88	1 x 12.8V / 204	2611	2350

Note: The usage times and generation values mentioned above have been calculated by taking the annual average sunshine duration (4 hours per day) for Türkiye as an example. The total generated energy per day may vary depending on weather conditions and regions.

* LFP Battery D.O.D value is based on 90%.

Package Code	Product Description	Quantity	Unit
OFG-1.2KWE-12V-3P	PanelxString 3x1 TT 430Wp 108TN M10 TOPCon Solar Panel	3	Piece
	TT New Pro 1.2K 12V MPPT Single Phase Smart Inverter	1	Piece
	TT Modular Series 12.8V 204Ah G2 LFP Lithium Battery	1	Piece
	LFP Lithium Battery to Inverter 1.5m Power Cable Set	1	Piece
	NYAF 1.5 Meter Battery Grounding Cable	1	Piece
	Battery Metal Bottom Base	1	Piece
	SMC4-MC4 Female-Male Connector Set	1	Piece
	DC Black 1 Meter (6.00 mm²-Cross Section) Solar Cable	25	Piece
	DC Red 1 Meter (6.00 mm²-Cross Section) Solar Cable	25	Piece

The data and technical specifications given in this document are for preliminary information and may vary depending on the way the products are used, the system design and the environmental conditions. TommaTech GmbH reserves the right to change the specification of product without prior notice.

6 Panels (430Wp) 3kWe Off-Grid(24V) Solar Package

PACKAGE CODE: OFG-3.0KWE-24V-6P

3
kWe



6
Pieces

What Can It Power?

With this system, which is easy to install, you can power your electronic devices such as laptop, television, mini fridge, washing machine and also meet your needs in terms of lighting and charging cell phone.

HOW LONG CAN EACH DEVICE WORK WITH THIS PACKAGE	Fridge	Washing Machine	Dishwasher	Laptop	TV	5W DC Lamp & 11W Energy Saving Lamp	Vacuum Cleaner	Mobile Phone Charging, Toy Charging, Mp3, Radio Player Charging
	1 A++ Energy Class Mini Fridge for 24 Hours	1 Piece A energy Class 30* per 30 Minutes 30* per Day	-	For 12 Hours Excluding Peripherals	1 Pc. 90 Inch LCD LED TV for 12 Hours	4 LED Lamps for 12 Hours 4 Energy Saving Lamps for 12 Hours	1 Piece 1 Hours	2 of Each Device for Unlimited Time

PACKAGE CODE	USED SOLAR PANEL (Pcs)	SYSTEM VOLTAGE (V)	AVERAGE ENERGY PRODUCTION PER DAY (Wp)	INVERTER CAPACITY (W)	USED PANEL AREA (m ²)	USED LITHIUM BATTERY (V/Ah)	ENERGY STORAGE CAPACITY (Wh)	AVAILABLE POWER (Wh)
OFG-3.0KWE-24V-6P	6 x 430 (TN10)	24	10320	3000	11.76	1 x 25.6 / 204	5222	4700

Note: The usage times and generation values mentioned above have been calculated by taking the annual average sunshine duration (4 hours per day) for Türkiye as an example. The total generated energy per day may vary depending on weather conditions and regions.

* LFP Battery D.O.D value is based on 90%.

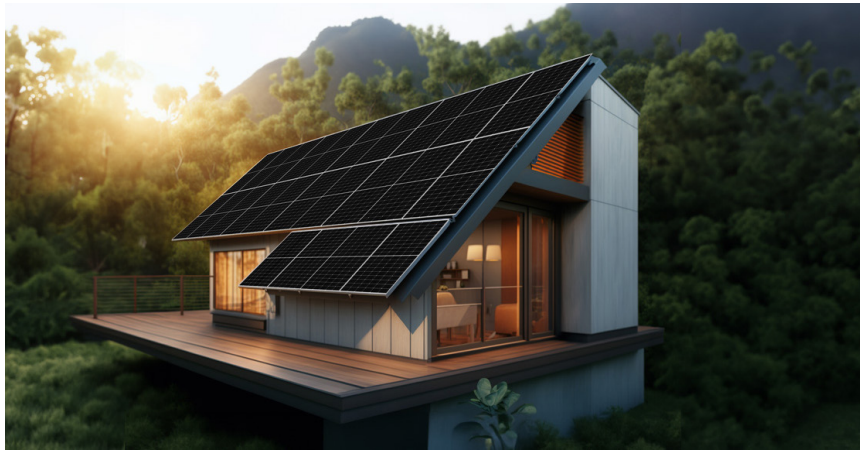
Package Code	Product Description	Quantity	Unit
OFG-3.0KWE-24V-6P	PanelxString (6x1)	4	Piece
	TT 430Wp 108TN M10 TOPCon Solar Panel	1	Piece
	TT New 3K 24V MPPT Single Phase Smart Inverter	1	Piece
	TT Eco Series 25.6 V 100Ah LFP Lithium Battery	1	Piece
	LFP Lithium Battery to Inverter 1.5m Power Cable Set	1	Piece
	NYAF 1.5 Meter Battery Grounding Cable	1	Piece
	SMC4-MC4 Female-Male Connector Set	4	Piece
	SMC4-BRANCH Y Connector Set	1	Piece
DC Black 1 Meter (6.00 mm ² -Cross Section) Solar Cable	25	Piece	
DC Red 1 Meter (6.00 mm ² -Cross Section) Solar Cable	25	Piece	

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18 Panel (430Wp) 7.2kWe Off-Grid(48V) Solar Paket

PACKAGE CODE: OFP-7.2KWE-48V-18P

7.2
kWe



18
Pieces

What Can It Power?

With this system, which is easy to install, you can power your electronic devices such as laptop, television, fridge, washing machine, dishwasher, vacuum cleaner and also meet your needs in terms of lighting and charging cell phone.

HOW LONG CAN EACH DEVICE WORK WITH THIS PACKAGE	Fridge	Washing Machine	Dishwasher	Laptop	TV	5W DC Lamp & 11W Energy Saving Lamp	Vacuum Cleaner	Mobile Phone Charging, Toy Charging, Mp3, Radio Player Charging
	1 A++ Energy Class Fridge for 48 Hours	1 A Energy Class Washing Machine at 30° C for 4 Hours Per Day	1 A Energy Class Dishwasher on Eco Mode for 4 Hours Per Day	For 24 Hours Excluding Peripherals	1 Pc.60 Inch LCD LED TV for 12 Hours	2 LED Lamps for 8 Hours 2 Energy Saving Lamps for 8 Hours	10 LED Lamps for 24 Hours 10 Energy Saving Lamps for 24 Hours	4 of Each Device for Unlimited Time

PACKAGE CODE	USED SOLAR PANEL (Pcs)	SYSTEM VOLTAGE (V)	AVERAGE ENERGY PRODUCTION PER DAY (Wp)	INVERTER CAPACITY (W)	USED PANEL AREA (m²)	USED LITHIUM BATTERY (V/Ah)	ENERGY STORAGE CAPACITY (Wh)	AVAILABLE POWER (Wh)
OFP-7.2KWE-48V-18P	TT430Wp x 18	48	30960	7200	35.28	4 x 51.2V 100Ah	20480	18432

Note: The usage times and generation values mentioned above have been calculated by taking the annual average sunshine duration (4 hours per day) for Türkiye as an example. The total generated energy per day may vary depending on weather conditions and regions.

* LFP Battery D.O.D value is based on 90%.

Package Code	Product Description	Quantity	Unit
OFP-7.2KWE-48V-18P	PanelString 9x2 TT 430Wp 108TN M10 TOPCon Solar Panel	18	Piece
	TT MPlus 7.2K 48V MPPT Single Phase Smart Inverter	1	Piece
	TT Modular Series 51.2 V 100Ah LFP Lithium Battery	4	Piece
	LFP Lithium Battery to Inverter 1.5m Power Cable Set	2	Piece
	Paralell LFP Lithium Battery Cable Set	3	Piece
	Battery to Battery Communication Cable	3	Piece
	Battery to Inverter Communication Cable	1	Piece
	NYAF 1.5 Meter Battery Grounding Cable	1	Piece
	TT Battery Metal Base	1	Piece
	SMC4-BRANCH Female-Male Y Connector Set	1	Piece
	SMC4-MC4 Female-Male Connector Set	4	Piece
	DC Black 1 Meter (6.00 mm²-Cross Section) Solar Cable	75	Piece
	DC Red 1 Meter (6.00 mm²-Cross Section) Solar Cable	75	Piece

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26 Panels (430Wp) 11kWe Off-Grid(48V) Solar Package

PACKAGE CODE: OFP-11KWE-48V-26P

11
kWe



26
Pieces

What Can It Power?

With this system, which is easy to install, you can power your electronic devices such as laptop, television, fridge, washing machine, dishwasher, vacuum cleaner and also meet your needs in terms of lighting and charging cell phone.

HOW LONG CAN EACH DEVICE WORK WITH THIS PACKAGE	Fridge	Washing Machine	Dishwasher	Laptop	TV	5W DC Lamp & 11W Energy Saving Lamp	Vacuum Cleaner	Mobile Phone Charging, Toy Charging, Mp3, Radio Player Charging
	2 A++ Energy Class Fridges for 72 Hours	1 A Energy Class Washing Machine at 30° C for 6 Hours Per Day	1 A Energy Class Dishwasher on Eco Mode for 4 Hours Per Day	2 for 24 Hours Excluding Peripherals	2 Pcs. 67 Inch LCD LED TV for 12 Hours	14 LED Lamps for 24 Hours 12 Energy Saving Lamps for 24 Hours	1 for 3.5 Hours	8 of Each Device for Unlimited Time

PACKAGE CODE	USED SOLAR PANEL (Pcs)	SYSTEM VOLTAGE (V)	AVERAGE ENERGY PRODUCTION PER DAY (Wp)	INVERTER CAPACITY (W)	USED PANEL AREA (m²)	USED LITHIUM BATTERY (V/Ah)	ENERGY STORAGE CAPACITY (Wh)	AVAILABLE POWER (Wh)
OFP-11KWE-48V-26P	TT430Wp x 26	48	44720	11000	50.96	6 x 51.2V 100Ah	30720	27648

Note: The usage times and generation values mentioned above have been calculated by taking the annual average sunshine duration (4 hours per day) for Türkiye as an example. The total generated energy per day may vary depending on weather conditions and regions.

* LFP Battery D.O.D value is based on 90%.

Package Code	Product Descriptionları	Quantity	Unit
OFP-11KWE-48V-26P	PanelxString 13x2 TT 425Wp 108TN M10 TOPCon Solar Panel	26	Piece
	TT MPlus 11K 48V MPPT Single Phase Smart Inverter	1	Piece
	TT Modular Series 51.2 V 100Ah LFP Lithium Battery	6	Piece
	LFP Lithium Battery to Inverter 1.5m Power Cable Set	3	Piece
	Paralell LFP Lithium Battery Cable Set	5	Piece
	Battery to Battery Communication Cable	5	Piece
	Battery to Inverter Communication Cable	1	Piece
	NYAF 1.5 Meter Battery Grounding Cable	1	Piece
	TT Battery Metal Base	1	Piece
	SMC4-BRANCH Female-Male Y Connector Set	1	Piece
	SMC4-MC4 Female-Male Connector Set	4	Piece
	DC Black 1 Meter (6.00 mm²-Cross Section) Solar Cable	75	Piece
DC Red 1 Meter (6.00 mm²-Cross Section) Solar Cable	75	Piece	

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