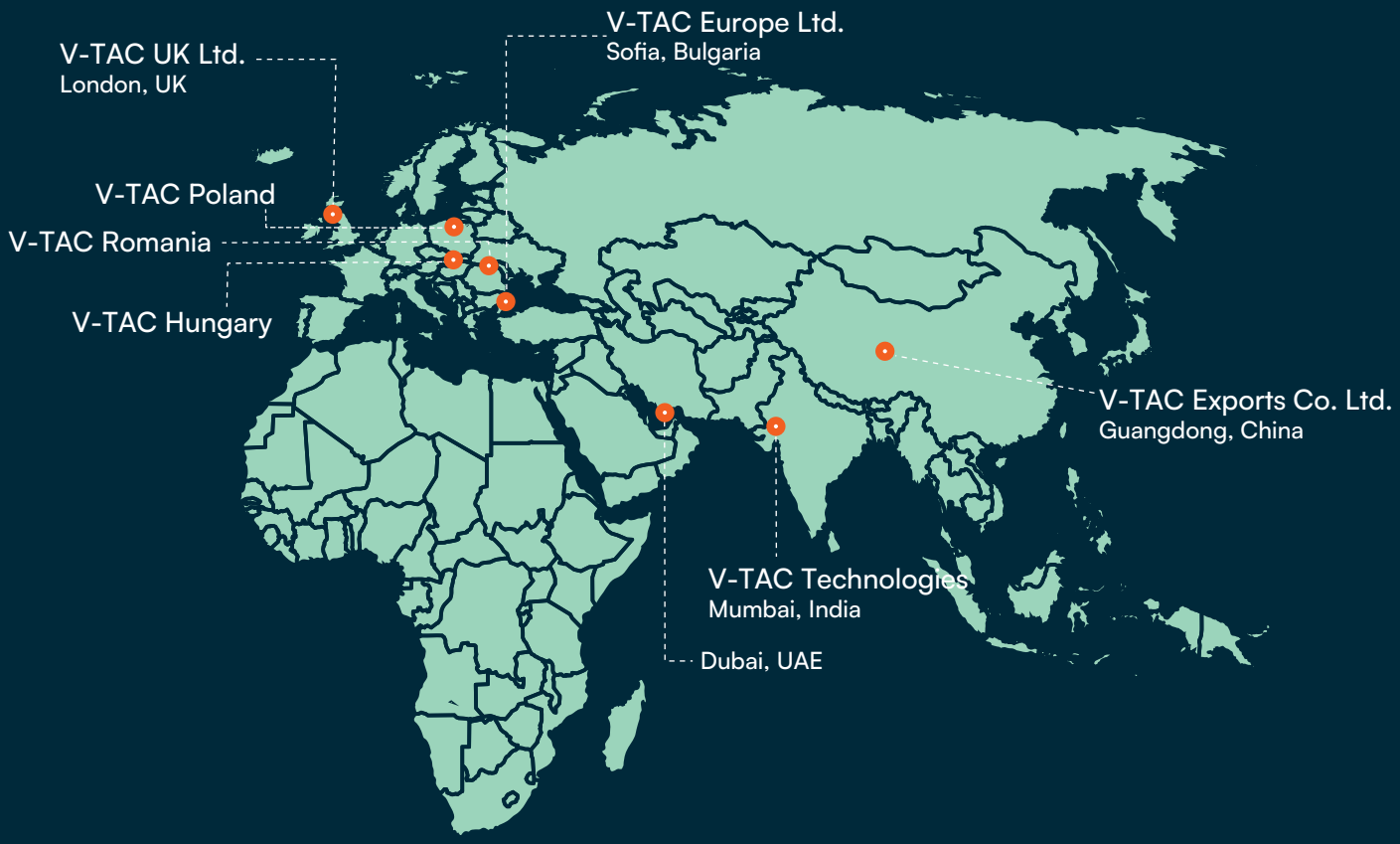
CATALOGUE

SOLAR ENERGY | 2023

COMPLETE ENERGY SOLUTIONS FOR A BETTER TOMORROW

V-TAC

Meaningful Innovation.



WELCOME TO V-TAC

V-TAC was founded with the vision of providing energy-efficient LED lighting solutions worldwide.

While building a vast portfolio in LED lighting over the past years, we were also able to build expertise in innovation and expand our R&D team to offer a diversified catalogue with over 3500 products to our clients and partners all over the UK and Europe.

Utilizing our brand value and manufacturing technologies, we have been expanding our product categories beyond lighting, with one mission to improve the lives of humanity worldwide.

Now, we are moving towards promoting sustainable practices that will help citizens and businesses lower their carbon footprint, and become a global leader in providing energy efficient systems — including solar panels, inverters, battery packs, and power stations.

V-TAC Lighting

V-TAC Digital

V-TAC Audio

V-TAC Solar

V-TAC Electrical

V-TAC Smart

V-TAC Energy

2009
V-TAC was founded with the vision of providing energy-efficient LED lighting solutions worldwide

2011
Began our EU expansion by opening the first V-TAC warehouse and office in Sofia, Bulgaria

2013
Started building our distribution network in the UK from our office in Southall, London.

2015
Launched our in-house product testing lab in Sofia, Bulgaria.

2016
Achieved $100M Annual Turnover- Manufacturing Joint Venture with DASHER Lighting for decorative lighting.

2017
In-brand partnership with Samsung. Launched the V-TAC Pro series.

2018
- Partnership with Tuya and launched new Smart Series
- Unveiled the new V-TAC Showroom in Slough, UK

2019
Opened new office in Poland.

2020
- New website launch
- Opened new office in Ireland.

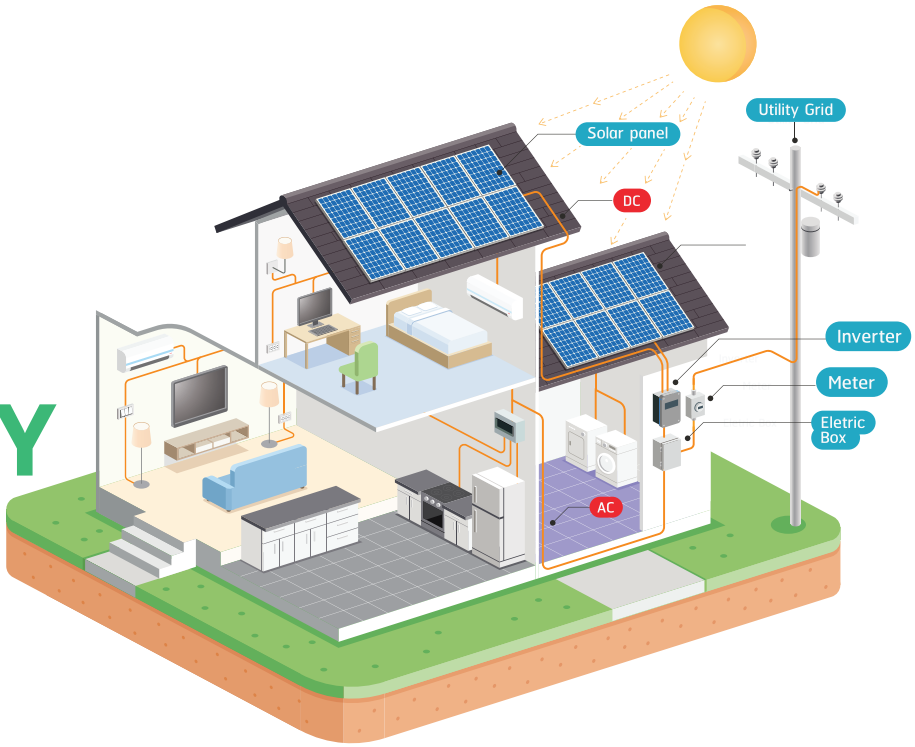
2021
Centralized warehouse in Bulgaria extended to 42000+ sq mts.

2022
Progressed into the green energy era with our new Solar products range

Solar energy is energy derived from sunlight. Whether you realise it or not, the sun already powers our planet, providing the necessary energy to keep the Earth's ecosystem alive and thriving. The amount of sunlight that reaches the earth's atmosphere is enough to power all our needs.

According to the US Department of Energy, 173000 terawatts of solar energy strike the earth continuously, which is more than 10000 times the world's total energy use. The sun is a free, sustainable, clean resource we can utilise in place of conventional electricity to power our day-to-day lives. Solar energy can be used to provide heat, light, and other electricity-dependent needs in residential and commercial buildings.

HOW DO SOLAR PANELS ACTUALLY WORK?



Solar panels are made of highly excitable, conductive materials. When the sun's rays hit the solar panels, the reaction creates direct current (DC) electricity. Do they work even on overcast days? Absolutely, since the sun's rays can still penetrate clouds and reach solar panels.

Since most homes and businesses use alternating current (AC) electricity, your solar-generated DC energy will pass through an inverter to become AC electricity. This energy can be rationed into load for everyday essential appliance use, the rest stored into a battery, reverted back into a grid — entirely dependent on your choice and solar power system goals.

Solar panels enable humanity to maximise solar energy — a free, clean, energy resource. This is a major step in lowering carbon footprint and eventually achieving net-zero. V-TAC's new Energy catalogue aims to promote clean energy access with energy supplies at the best prices, and contributing to economic growth by pushing for energy savings.

WHY SOLAR ENERGY IS IMPORTANT?

There's a reason why so many homeowners and businesses are turning to solar power. The benefits are undeniable, and not just for individuals, but for the planet as a whole. Here are just a few of the many reasons that support the importance of solar energy.

IT'S GOOD FOR THE ENVIRONMENT

The difference between solar energy and conventional electricity is that solar energy does not rely on the use of fossil fuels, does not pollute air or water, and does not contribute to global warming, making it the preferable option for many. Solar energy works with the earth's natural resources, whereas conventional electricity depletes or harms them.

IT'S A RELIABLE, COST-EFFECTIVE ENERGY SOURCE

The sun is a renewable energy source. Fossil fuels will eventually run out, but sunlight won't. For that reason, solar energy is highly reliable. And unlike fossil fuels which are expensive to mine and utilize, it doesn't cost anything to receive sunlight. A one-time installation of solar equipment is all that's needed to reap the benefits.

IT SAVES YOU MONEY IN THE LONG RUN

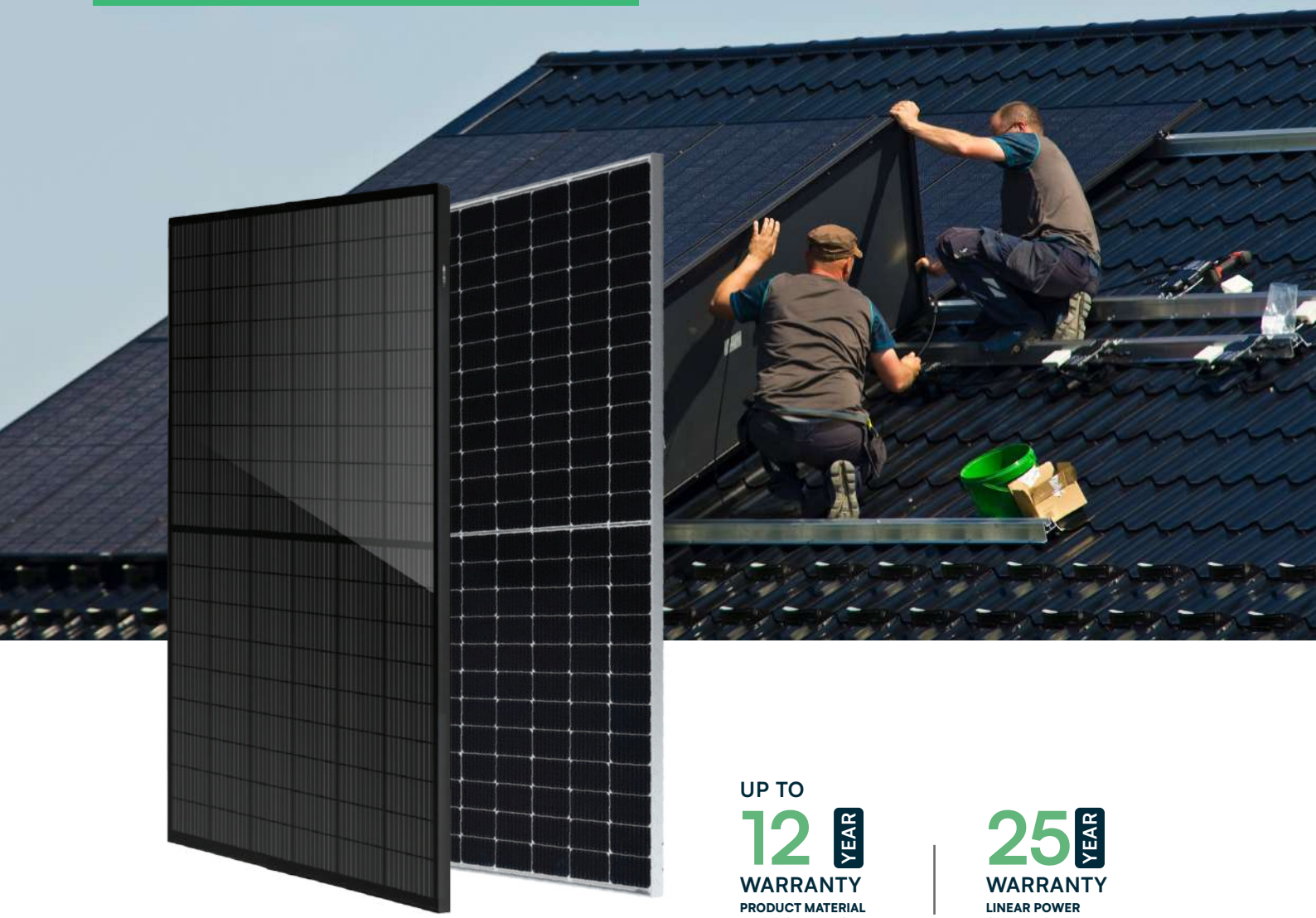
Though the cost of installing solar panels or a solar electric system has decreased in recent years, some may still find the initial investment in solar energy to be intimidating. However, the key is remembering that installation is a one-time event, whereas paying for conventional electricity is a frequent, ongoing, and an expensive obligation, especially as electric rates continue to rise.

IT PROMOTES ENERGY INDEPENDENCE

Energy independence means not having to rely on the power grid. With no other means of powering your home, you could run into a variety of issues in the event of bad weather or damage to power lines. Using solar energy, especially when paired with a backup battery system, allows you to not be tied to unreliable power grids when you need energy most.

V-TAC
Meaningful Innovation.

Solar Panels



UP TO
12 YEAR
WARRANTY
PRODUCT MATERIAL AND WORKMANSHIP

25 YEAR
WARRANTY
LINEAR POWER OUTPUT

V-TAC Solar Panels are engineered for a positive power tolerance, ensuring that they will always produce more power, equal to or greater than their rated power.

PID Resistance means our solar panels maintain their power efficiency despite high voltages, high temperatures, high humidity, and other potential factors. With advanced glass and cell surface textured design, excellent performance even during overcast days is possible. The 25-year Linear Output Warranty to guarantees that optimal power output will still be achieved even after decades of installation.

HALF-CUT TECHNOLOGY
Unique circuit design to reduce temperature heat spots

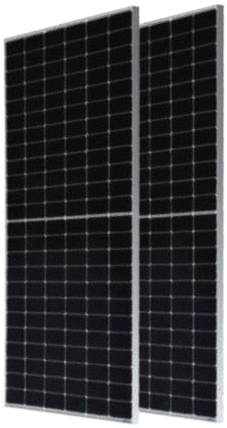
SIGNIFICANTLY AVOIDING HEAT SPOT
The unique circuit design to reduce the temperature heat spot significantly, so that to reduce the power loss and then increase the output of modules.

LOWER COST
Increasing power generation can reduce the cost per kilowatt-hour

EXCELLENT PERFORMANCE OF PID RESISTANCE
Anti PID
The performance of PID resistance (Potential Induced Degradation) passed the standard of TUV Nord.

TÜV NORD CE ISO

Solar Panels



SILVER FRAME SOLAR PANEL

410W

VT-410
SKU 11518

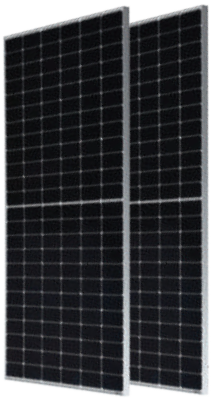
1 meter
CABLE

MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	108 (12*9)
Dimensions	D:1722*1134*35mm
Weight	21.50kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module Efficiency(%)	20.97



SILVER FRAME SOLAR PANEL

410W

VT-410
SKU 11517

1 meter
CABLE

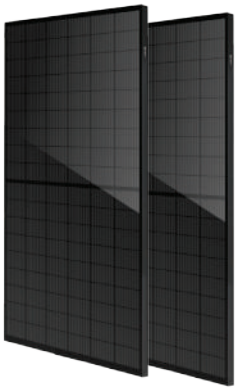
SLIM **DESIGN**

MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	108 (12*9)
Dimensions	D:1722*1134*30mm
Weight	21.50kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	37pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module Efficiency(%)	20.97



BLACK SOLAR PANEL

410W

VT-410
SKU 11519

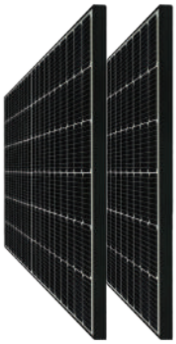
1 meter
CABLE

MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	108 (12*9)
Dimensions	D:1722*1134*35mm
Weight	21.50kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module Efficiency(%)	20.97



BLACK FRAME SOLAR PANEL

410W

VT-410
SKU 11561

1 meter
CABLE

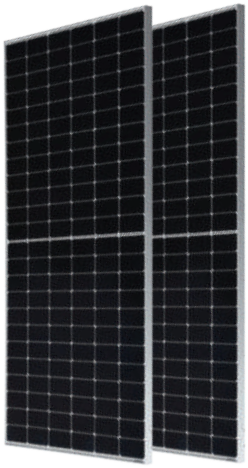
MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	108 (12*9)
Dimensions	D:1722*1134*35mm
Weight	21.50kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	410.00
Maximum Power Voltage(Vmp)	31.46
Maximum Power Current(Imp)	13.04
Open Circuit Voltage(Voc)	37.45±3%
Short Circuit Current(Isc)	13.85±3%
Module Efficiency(%)	20.97

Solar Panels



450W

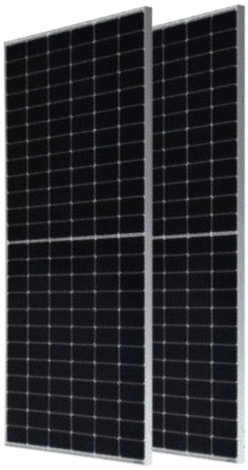
VT-450W
SKU 11353

MECHANICAL CHARACTERISTICS

Cell Type	166*83 Mono
No. of Cells	144 (12*12)
Dimensions	2094*1038*35mm
Weight	23.50kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	450.00
Maximum Power Voltage(Vmp)	41.50
Maximum Power Current(Imp)	10.85
Open Circuit Voltage(Voc)	49.30±3%
Short Circuit Current(Isc)	11.60±3%
Module Efficiency(%)	20.70



545W

VT-545W
SKU 11354

MECHANICAL CHARACTERISTICS

Cell Type	182*91 Mono
No. of Cells	144 (12*12)
Dimensions	2279*1134*35mm
Weight	28.40kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	545.00
Maximum Power Voltage(Vmp)	41.93
Maximum Power Current(Imp)	13.00
Open Circuit Voltage(Voc)	49.90±3%
Short Circuit Current(Isc)	13.92±3%
Module Efficiency(%)	21.08

665W

VT-665W
SKU 11544

MECHANICAL CHARACTERISTICS

Cell Type	210*105 Mono
No. of Cells	132 (12*11)
Dimensions	2384*1303*35mm
Weight	33.90kg
Junction box	IP67/IP68 3diodes
Operating Temperature	-40~+85°C
Qty Per Pallet	31pcs/pallet

ELECTRICAL DATA (STC)

Peak Power(Pmax)	665.00
Maximum Power Voltage(Vmp)	38.00
Maximum Power Current(Imp)	17.50
Open Circuit Voltage(Voc)	45.80±3%
Short Circuit Current(Isc)	18.58±3%
Module Efficiency(%)	21.40

V-TAC
Meaningful Innovation.

Solar Panels Sets

V-TAC launches an innovative way to transport our solar panel range: with the usage of especially packed solar panel sets. The sets were designed with homes and small industrial projects in mind, providing a limited number of panels to match customers' requirements. Our state-of-the-art 410W and 450W panels are packed methodically in mini pallets, which can then be easily transported directly on site to provide the exact power and energy required.

Solar Panels Sets

4.92 kW/SET
410W X 12
Half Mono Solar Panel
Black Frame
D:1722*1134*35MM

SKU 11562

1 meter
CABLE

SLIM DESIGN

4.92 kW/SET
410W X 12
Slim Half Mono Solar Panel
D:1722*1134*30MM

SKU 11549

1 meter
CABLE

4.92 kW/SET
410W X 12
Half Mono Solar Panel
D:1722*1134*35MM

SKU 11550

1 meter
CABLE

4.95 kW/SET
450W X 11
Half Mono Solar Panel
D:2094*1038*35MM

SKU 11553

Solar Panels Sets

6.15 kW/SET
410W X 15
Half Mono Solar Panel
Black Frame
D:1722*1134*35MM

SKU 11563

1 meter
CABLE

SLIM DESIGN

6.15 kW/SET
410W X 15
Slim Half Mono Solar Panel
D:1722*1134*30MM

SKU 11551

1 meter
CABLE

6.15 kW/SET
410W X 15
Half Mono Solar Panel
D:1722*1134*35MM

SKU 11552

1 meter
CABLE

6.30 kW/SET
450W X 14
Half Mono Solar Panel
D:2094*1038*35MM

SKU 11554

Solar Inverters

Solar Inverters are devices that convert the direct current (DC) from the solar panels into alternating current (AC) which is used by domestic and commercial appliances. It is one of the most critical components of the solar power system as it converts power from the sun into useful energy and is often referred to as the brain of a solar system. Solar inverters are a crucial part of a solar system since power from the sun cannot be directly used to run electrical appliances. V-TAC's range of solar inverters have evolved to become much more smart and intelligent units, performing other functions such as data monitoring, advanced utility controls, energy management, and more.

Single Phase

On-Grid Solar Inverters

Typically used in most new houses and small businesses, single-phase on-grid inverters transport electricity via two wires: active and neutral. The electricity from the grid or your solar PV system will only flow through the one active wire, while the neutral wire is connected to the earth at the switchboard. This setup allows you to generate solar power from panels as well as draw power in from the grid to power your homes or offices.

5kW | **05 YEAR WARRANTY**

VT-6605105
SKU 11370

Number of MPP Trackers	2
String per MPPT	1

5kW | **10 YEAR WARRANTY**

VT-6605110
SKU 11380

Number of MPP Trackers	2
String per MPPT	1

Zero export function (Optional)

External Inductor

Aluminum Enclosure

Natural cooling, low noise

IP65 Rating

Three Phase
On-Grid Solar Inverters

Three-phase power has four wires, three of which are active, in addition to one neutral wire, which is earthed at the switchboard. Three phase electricity is common in both larger homes and businesses, as well as older homes, and allows for smaller and less expensive wiring, and lower voltages.

5kW	8kW	10kW
VT-6605305	VT-6608305	VT-6610305
SKU 11371	SKU 11372	SKU 11373

Number of MPP Trackers	2
String per MPPT	1

05 YEAR WARRANTY

Zero export function (Optional)

External Inductor

Aluminum enclosure

Natural cooling, low noise

IP65 rating

Three Phase
On-Grid Solar Inverters

10 YEAR WARRANTY

5kW
VT-6605310
SKU 11381

8kW
VT-6608310
SKU 11382

10kW
VT-6610310
SKU 11383

Number of MPP Trackers	2
String per MPPT	1

30kW
VT-6630305
SKU 11507

10 YEAR WARRANTY

Number of MPP Trackers	3
String per MPPT	2

Multi MPP trackers

160% DC Input oversizing

Smart I-V curve diagnosis supported

DC&AC type II SPD

Intelligent fault detection

AFCI function (Optional)

IP66 rating

50kW
VT-6607150
SKU 11521

10 YEAR WARRANTY

Number of MPP Trackers	4
String per MPPT	3 / 2 / 3 / 2

100kW
VT-6607100
SKU 11520

10 YEAR WARRANTY

Number of MPP Trackers	9
String per MPPT	2

Single Phase
Hybrid Solar Inverters

Hybrid inverters allows you to generate solar power from panels, draw power from the grid and store excess energy created by the panels into battery packs to be drawn in whenever necessary. The electricity from the grid, solar PV system or the battery will only flow through the one active wire, while the neutral wire is connected to the earth at the switchboard.

5kW

VT-6607103
SKU 11508/11509

05 YEAR WARRANTY

Number of MPP Trackers	2
String per MPPT	1

- Lead-acid/ lithium Battery
- Smart energy management
- Battery reverse protection
- IP66 rating
- Zero export function (Integrated)

Single Phase
Hybrid Solar Inverters

5kW

VT-6605103
SKU 11376

03 YEAR WARRANTY

Number of MPP Trackers	2
String per MPPT	1

- **High DC/AC ratio**
- **Battery capacity from 2.4 to 14.4kW.h**
- **User friendly HMI**
- **Easy to install**
- **Support battery customization**

6kW

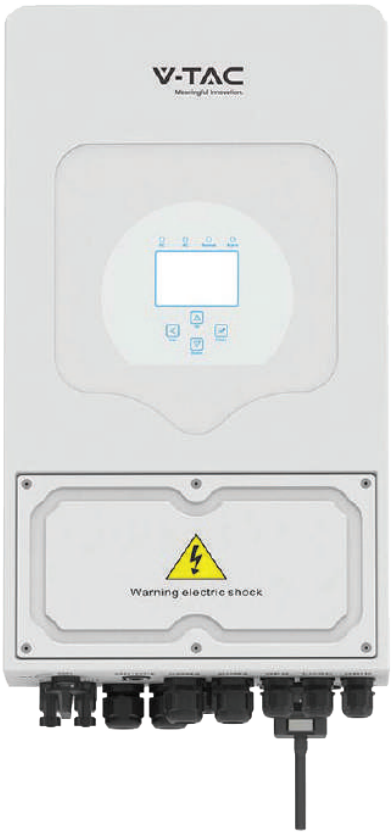
VT-6607106
SKU 11514

05 YEAR WARRANTY

Number of MPP Trackers	2
String per MPPT	1

- **<10 ms** — **UPS function switch time < 10ms**
- **MAX 1.5** — **PV oversize 1.5 times pv oversize**
- **2 MPPT** — **MPPT channels up to 2 MPPT channels**
- **Multiple inputs support generator & wind turbines**

Single Phase
Hybrid Solar Inverters



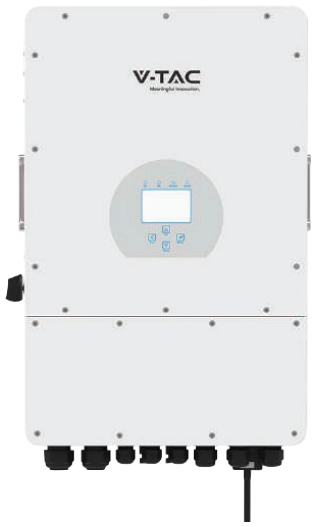
5kW SKU 11547 | **6kW** SKU 11537 | **05 YEAR WARRANTY**

Number of MPP Trackers	2
String per MPPT	1

- Colorful touch LCD, IP65 protection degree
- Max. charging/discharging current of 135A
- DC couple and AC couple to retrofit existing solar system
- 6 time periods for battery charging/discharging
- Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- Support storing energy from diesel generator

Three Phase
Hybrid Solar Inverters

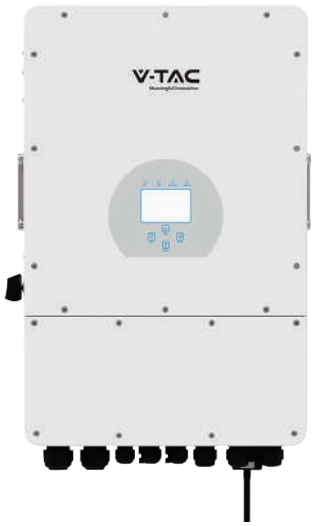
Three-phase power has four wires, three of which are active, in addition to one neutral wire, which is earthed at the switchboard. Three phase electricity is common in both larger homes and businesses, as well as older homes, and allows for smaller and less expensive wiring, and lower voltages.



10kW | **05 YEAR WARRANTY**

SKU 11542

Number of MPP Trackers	2
String per MPPT	2+1



12kW | **05 YEAR WARRANTY**

SKU 11543

Number of MPP Trackers	2
String per MPPT	2+1

- Colorful touch LCD, IP65 protection degree
- DC couple and AC couple to retrofit existing solar system
- Max. 10pcs parallel for on-grid and off-grid operation; supports multiple parallel batteries
- 48V low voltage battery, transformer isolation design
- Max. charging/discharging current of 240A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator
- 100% unbalanced output

Battery Storage Solutions

Having batteries in your solar power system gives you more energy self-sufficiency, and helps you achieve your ROI. We offer different types of safe, reliable battery solutions to meet power storage needs depending on a variety of factors — the solar array size, on-grid or off-grid system, backup power requirements, and overnight energy consumption in kWh. Our batteries are modular and scalable to easily build your target load with each usable capacity. IP65 options are available for a weatherproof performance all year round.

Rack Mounting Lithium Battery

5.12kWh
VT-48100E-P2
SKU 11522

51.2V
VOLTAGE

05 YEAR
WARRANTY

Perfect compatibility & expandability

High performance & efficiency

Easy installation

Long-life lithium Battery

9.60kWh
48200B
SKU 11523

48.0V
VOLTAGE

05 YEAR
WARRANTY

Indoor

Wall Mounting Batteries

5.12kWh

VT48100E-W
SKU 11526

05 YEAR WARRANTY

51.2V
VOLTAGE

5kWh
AT48-100H
LiFePO4 Battery Pack

VT-5139
KU: 11448

05 YEAR WARRANTY

48V
VOLTAGE

10kWh
AT48-200H
LiFePO4 Battery Pack

VT-10240
SKU: 11447

05 YEAR WARRANTY

48V
VOLTAGE

Weatherproof Wall Mounting Batteries

5.12kWh | **05 YEAR WARRANTY**

VT-48100-W2
SKU 11524

51.2V
VOLTAGE

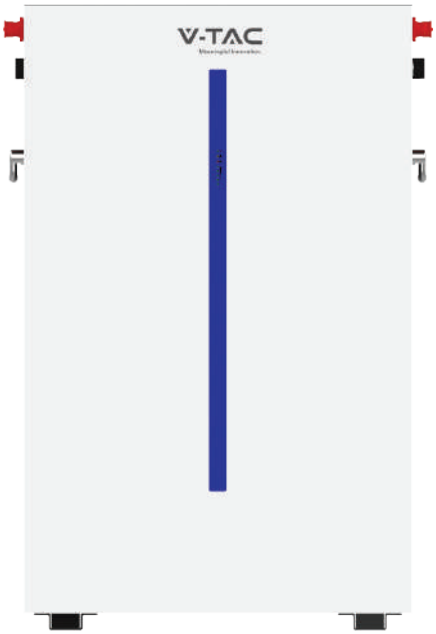
14.33kWh | **05 YEAR WARRANTY**

VT-48280-W2
SKU 11525

51.2V
VOLTAGE

- **Intelligent BMS monitoring for all-round protection**
- **Overcurrent protection**
- **A-grade LFP cells, ensuring safety of the battery**
- **In-built App to monitor and track battery capacity**
- **6000 cycle lifespan with a 10 year warranty**
- **Easy installation with wall-mounted latches**

Weatherproof Wall Mounting Batteries



CEI 0-21 Certificate

6.14kWh
SKU 11539

05 YEAR WARRANTY

51.2V
VOLTAGE

- **Safer**
  Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-power density. Intelligent BMS, providing complete protection.
- **Reliable**
  Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.
- **Flexible**
  Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 196kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.
- **Convenient**
  Battery module auto networking, Automatic IP addressing, easy maintenance, remotely monitoring and upgrade, support USB drive upgrade the firmware.
- **Eco-Friendly**
  Use environmental protection materials, the whole module non-toxic, pollution-free.
- **Wall-Mounted**
  Flat design, wall-mounted, saving installation space.

Waterproof Wall Mounting Batteries

48.0V
VOLTAGE

7.64kWh
VT-48160
SKU 7680

05 YEAR
WARRANTY

	General Parameters	Additional Information
Combination method	15S1P	LiFePO4
Rated capacity	Typical 161Ah minimum 158Ah	0.2°C,@25°C
Rated voltage	48V	
Voltage at end of discharge	42V	Discharge Cut-off voltage
Standard charge current	32A	Charge time : Approx 6h
Limiting current	20A	Software opening

Solar System

We are dedicated to helping you shift to clean energy — our solar system kits are designed so anyone can easily jumpstart their journey to having a sustainable, solar power system. On-grid and hybrid options are available, so you can either keep your local electric connection or live off-the-grid at your choice. Whether residential, commercial, or industrial, we offer complete solar systems to meet your power needs at your specifications.

Hybrid

Solar System

4.92 kWp

LiFePO4 Battery | Hybrid Inverter | Half Mono Solar Panels

SKU	Product	Specification	Quantity
11549	Half Mono Solar Panel	410W with 1 meter cable	12
11547	Single Phase Hybrid Solar Inverter	5kW	1
11448	LiFePO4 Battery Pack	AT48-100H	1
	Assorted Accessories		

Whether it is installed on a roof or in a remote location, this 5kW Complete Solar Panel System Kit with Battery and Inverter can be easily connected to any electrical system.
PV systems generate electricity during the day, which is initially supplied to loads. Hybrid Inverters will then charge the battery with the excess energy. Lastly, the stored energy can be released when needed.

Hybrid

Solar System

9.97 kWp

LiFePO4 Battery | Hybrid Inverter | Half Mono Solar Panels

SKU	Product	Specification	Quantity
11549	Half Mono Solar Panel	410W with 1 meter cable	24
11542	Three Phase Hybrid Solar Inverter	10kW	1
11447	LiFePO4 Battery Pack	AT48-200H	1
	Assorted Accessories		

With a 10kW solar system, businesses, manufacturing facilities, and offices can operate independently without relying on government power. PV systems generate electricity during the day, which is initially supplied to loads. Hybrid Inverters will then charge the battery with the excess energy. Lastly, the stored energy can be released when needed.

On-grid

Solar System

4.92 kWp

Solar Inverter

Half Mono Solar Panels

SKU	Product	Specification	Quantity
11549	Half Mono Solar Panel	410W with 1 meter cable	12
11370	Single Phase On-Grid Solar Inverter	5kW	1
	Assorted Accessories		

On-Grid PV systems are those that utilize utility (grid) power - whether for utility, commercial, residential or stand-alone buildings. On-grid systems are designed to partially or entirely satisfy a user's energy needs, thereby offsetting utility grid energy demand.

Light Industrial Solar System

Three Phase On Grid/ Off Grid Solar Inverter

8kW

VT-6608303
SKU 11375

03 YEAR WARRANTY

Lead-acid/ Lithium battery

Battery reverse protection

IP66 rating

Smart energy management

Zero export function (Integrated)

Smart ESS Solution

20kWh

VT-204100B-W
SKU 11527

05 YEAR WARRANTY

Intelligent BMS monitoring for all-round protection

Overcurrent protection

A-grade LFP cells, ensuring safety of the battery

In-built App to monitor and track battery capacity

6000 cycle lifespan with a 10 year warranty

Easy installation with wall-mounted latches

Solar Accessories

Compatible with all V-TAC Solar Systems

END CLAMP 35MM
SKU: 11388

MIDDLE CLAMP 35MM
SKU: 11389

SILVER RAIL
1.2 METER SKU: 11390
2 METERS SKU: 11538

ROOFTOP HOOK-01
SKU: 11391

L FEET GROUP
SKU: 11583

STEEL HORSE-SHAPED KLIPLOCK01 SET
SKU: 11584

STEEL HORSE-SHAPED KLIPLOCK02 SET
SKU: 11585

TT-NUT
SKU: 11392

SPLICE FOR RAIL
SKU: 11394

GROUNDING PLATE
SKU: 11395

ADJUSTABLE FRONT LEG
SKU: 11417

ADJUSTABLE REAR LEG
(10°-15°) SKU: 11385
(15°-30°) SKU: 11386

PV CABLE CONNECTOR-MC4
SKU: 11413

TRIANGLE SUPPORT-1700
SKU: 11387

PV CABLE 100M
4 SQUARE - SKU: 11414 BLACK
4 SQUARE - SKU: 11418 RED
6 SQUARE - SKU: 11415 BLACK
6 SQUARE - SKU: 11419 RED

PV6 CABLE WITH MC4 CONNECTORS 2 END FOR SOLAR PANEL CONNECTION
1 METER SKU: 11570
2.5 METERS SKU: 11416

WIFI DONGLE FOR INVERTERS
SKU 11528
SKU 11378

STORAGE BATTERY RACK MAX 5 LAYERS
SKU 11556
Size: 558*500*160mm
Adapting Battery-VT48100E-P2

STORAGE BATTERY RACK MAX 3 LAYERS
SKU 11557
Size: 598*589*260mm
Adapting Battery-VT48200B

SINGLE PHASE SMART METER

SKU: 11545

Nominal voltage	220V, 230, 240V
Current	5(80) A
Reference frequency	50Hz or 60Hz
Accuracy	Class 1.0
Operating range	0.85Un ~ 1.15Un
Power consumption	Voltage loop: ≤1W/5VA; Current loop: ≤2VA

THREE PHASE SMART METER

SKU: 11546

Nominal voltage	3x220~240/380~415V; 3x120~138/208~240V
Current	Direct access: 5(80)A; Mutual access: 1.5(6)A
Reference frequency	50Hz or 60Hz
Accuracy	Class 1.0 for 5(80)A; Class 0.5 for 1.5(6)A
Operating range	0.85Un ~ 1.15Un
Power consumption	≤1W/8VA

Portable Power Solutions

V-TAC
Meaningful Innovation.

Travel

Stay powered and connected. Charge your devices anywhere — less time worrying about running low on battery and more time enjoying your trip.

Drone **Camera** **Laptop**

Leisure

New spot for your hobbies? Or just a new space for the family to hang out in? Power up your new space of comfort and fun.

Fan **Electric Grill** **Mini Cooler**

Home

Say goodbye to the inconvenience of sudden outages — power up your basic home appliances whenever you need them. Also perfect for those working in flexible setups.

Printer **Blender** **Mobile**

Professional

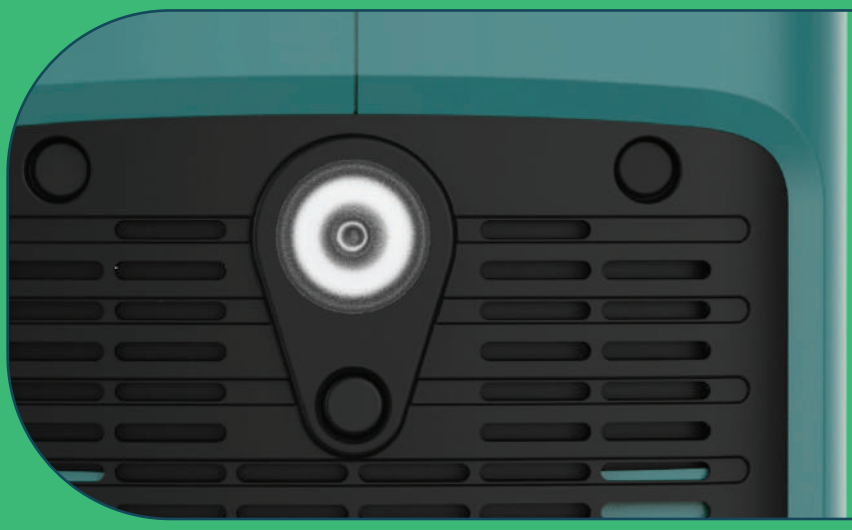
Ideal for power tools, workshops, renovations, construction, outdoor house cleaning, and outdoor events.

Drill **Chainsaw** **Tools**

V-TAC
Meaningful Innovation.

High Capacity Power

High-performance, high safety and high power lithium iron phosphate cell



LED Light For Camping

A must-have tool when camping or attending outdoor events

Wireless & Faster Charge

Charging wirelessly and supporting QC3.0 quick charging

Portable Power Solutions

300W

VT-303
SKU 11441

AUXILIARY CHARGE OUTPUT | **AC** OUTPUT HIGH EFFICIENCY | POWER DELIVERY **QC 3.0** 18W

500W

VT-606
SKU 11442

1000W

VT-1001
SKU 11443

2000W

VT-2002
SKU 11445

MPPT

Solar energy charging maximum power point tracking

SUITCASE DESIGN

A trolley-shaped design makes it easy to carry wherever you go

AUXILIARY CHARGE OUTPUT | **AC** OUTPUT HIGH EFFICIENCY | POWER DELIVERY **QC 3.0** 18W | **LED** LIGHT 500 LM | **WIRELESS** CHARGE OUTPUT 15W

Flexible & Folding Solar Panels

Compatible with all Portable Power Stations

Flexible Solar Panels

100W

VT-10100
SKU 11568

Power	100W
Size:	980*586*2.7mm
Working voltage	17V
Working current	5.88A

210W

VT-10210
SKU 11569

Power	210W
Size	1035*1035*2.7mm
Working voltage	20.5V,
Working current	10.24A,

- **Portable, Foldable, and Adjustable**

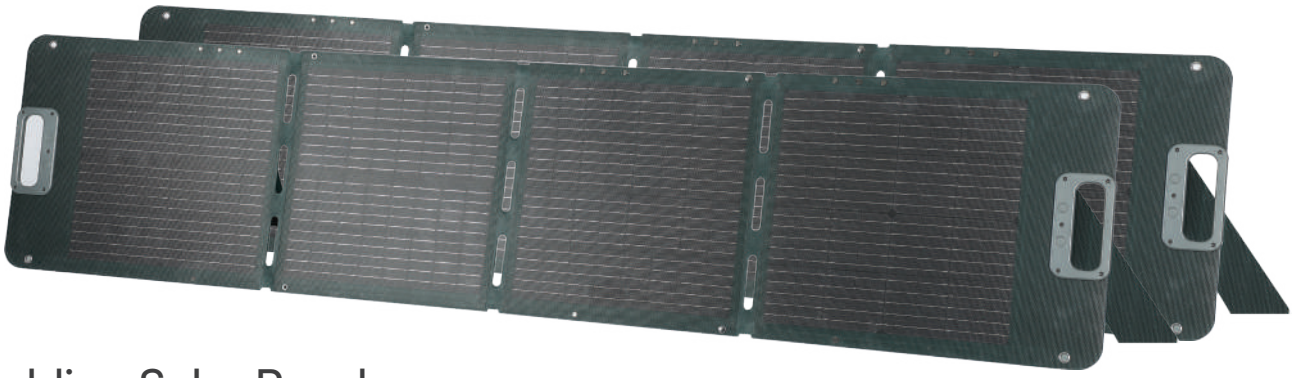
Designed with an adjustable kickstand, seamlessly install the panels and get the best angle while solar charging. When you're done charging, just fold the panels and bring them everywhere you go.

- **Built to Last**

Designed to withstand scratches and poor weather, the ultra-durable solar panels are ideal for the outdoors and come in handy during power outages.

Portable power supply 2in1

SKU 11573



Folding Solar Panels

80W

VT-10080
SKU 11564

Battery type	Monocrystalline solar cells
Folding method	1*4 fold
Folded size	366*356*54mm±5mm
Expanded Size	1670*356*25mm±5mm
Weight (NW)	4.3KG±0.5KG
Standard working Voltage	17.6V
Standard Working Current	4.54A

120W

VT-10120
SKU 11446

Battery type	Monocrystalline solar cells
Folding method	1*4 fold
Folded size	430*540*54mm±5mm
Expanded Size	1930*430*25mm±5mm
Weight (NW)	4.0Kg±0.3Kg
Standard working Voltage	17.6V
Standard Working Current	6.36A

120x2W

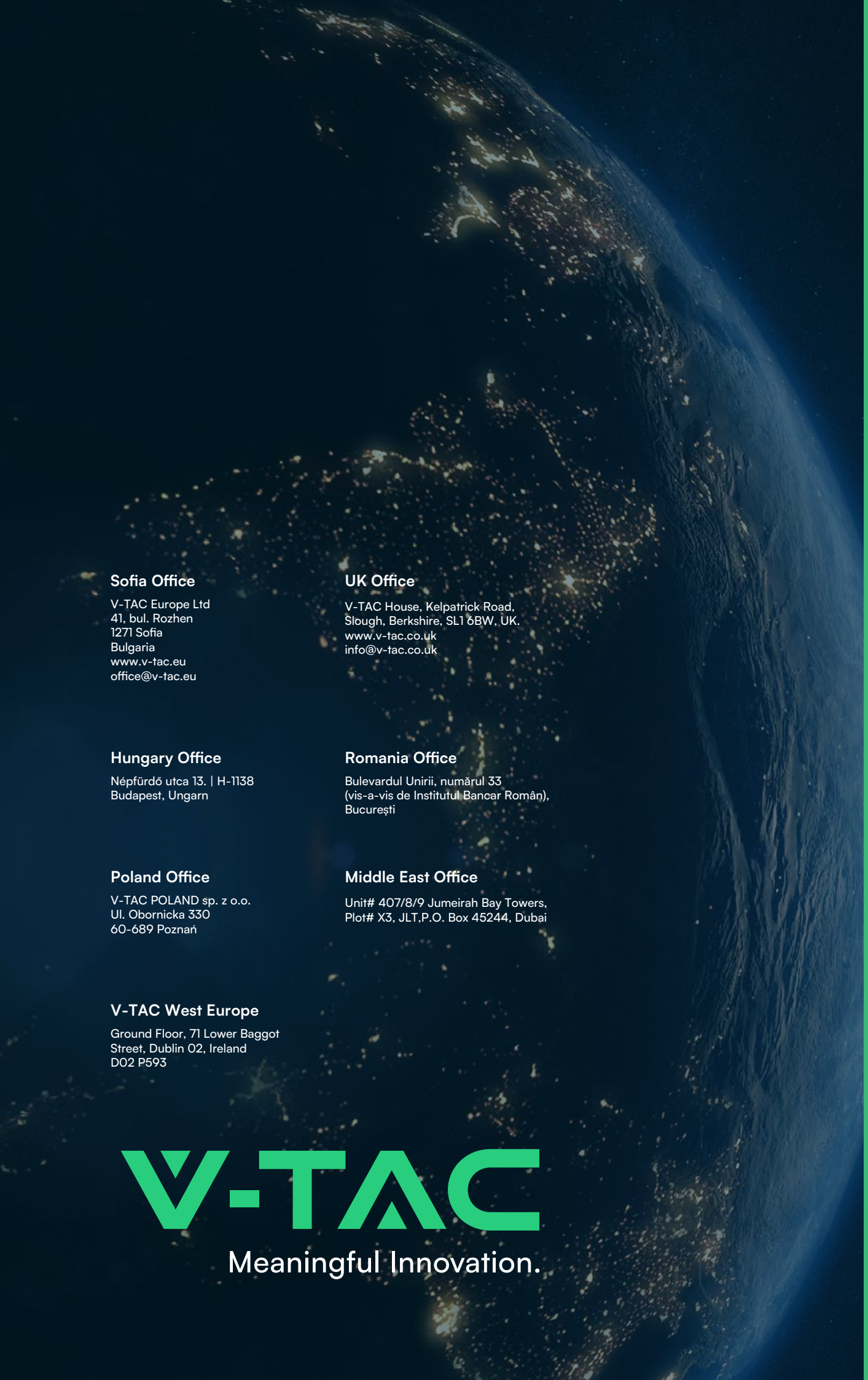
VT-10240
SKU 11565 With 2in1 Cable

Battery type	Monocrystalline solar cells
Folding method	1*4 fold x 2pieces
Folded size	430*540*54mm±5mm
Expanded Size	1930*430*25mm±5mm
Weight (NW)	4.0Kg±0.3Kg
Standard working Voltage	17.6V
Standard Working Current	12.72

160W

VT-10160
SKU 11566 With 2in1 Cable

Battery type	Monocrystalline solar cells
Folding method	1*4 fold
Folded size	680*468*54mm±5mm
Expanded Size	1670*680*25mm±5mm
Weight (NW)	6KG±0 5KG
Standard working Voltage	17.6V
Standard Working Current	9.08A



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V-TAC

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COMPLETE ENERGY SOLUTIONS FOR A BETTER TOMORROW