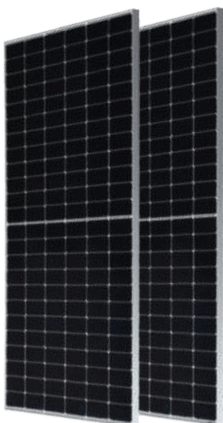


Solar Panels



SILVER FRAME
SOLAR PANEL
410W
VT-410

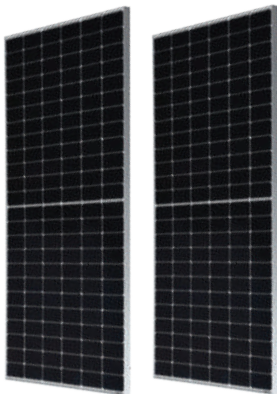
1 meter
CABLE

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

1 meter
CABLE

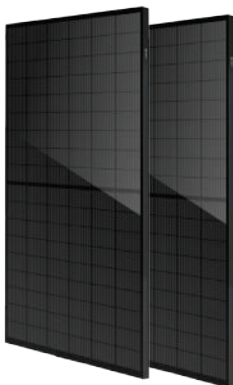
SLIM DESIGN

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

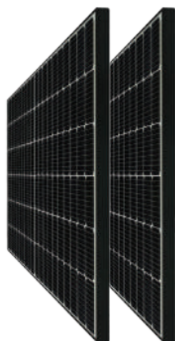
1 meter
CABLE

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

1 meter
CABLE

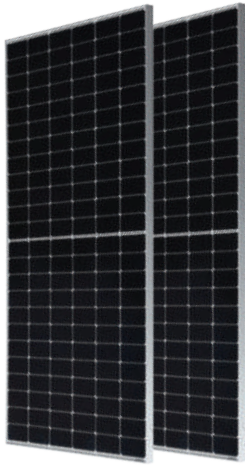
MECHANICAL CHARACTERISTICS

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

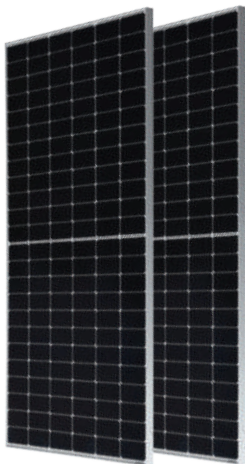
VT-450W

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

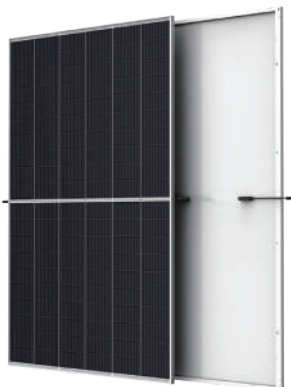
VT-545W

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

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

Solar Panels Sets



4.92 kW/SET

410W X 12

Half Mono Solar Panel
Black Frame
D:1722*1134*35MM

1 meter

CABLE



SLIM DESIGN

4.92 kW/SET

410W X 12

Slim Half Mono Solar Panel
D:1722*1134*30MM

1 meter

CABLE



4.92 kW/SET

410W X 12

Half Mono Solar Panel
D:1722*1134*35MM

1 meter

CABLE

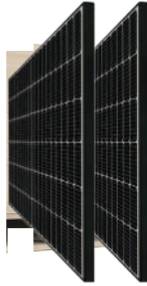


4.95 kW/SET

450W X 11

Half Mono Solar Panel
D:2094*1038*35MM

Solar Panels Sets

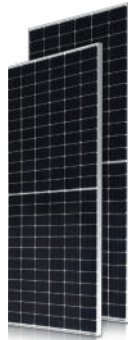


6.15 kW/SET
410W X 15

Half Mono Solar Panel
Black Frame
D:1722*1134*35MM

1 meter

CABLE



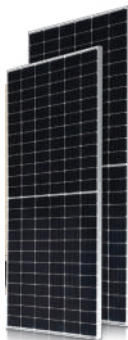
SLIM DESIGN

6.15 kW/SET
410W X 15

Slim Half Mono Solar Panel
D:1722*1134*30MM

1 meter

CABLE



6.15 kW/SET
410W X 15

Half Mono Solar Panel
D:1722*1134*35MM

1 meter

CABLE



6.30 kW/SET
450W X 14

Half Mono Solar Panel
D:2094*1038*35MM

Solar Inverters

Three Phase

On-Grid Solar Inverters



5kW

VT-6605310

8kW

VT-6608310

10kW

VT-6610310

Number of MPP Trackers	2
String per MPPT	1



Multi MPP trackers

160% DC Input
oversizingSmart I-V curve
diagnosis supported

DC&AC type II SPD

Intelligent fault
detectionAFCI function
(Optional)IP66
rating

30kW

VT-6630305

Number of MPP Trackers	3
String per MPPT	2



50kW

VT-6607150

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



100kW

VT-6607100

Number of MPP Trackers	9
String per MPPT	2

Solar Inverters

Single Phase

Hybrid Solar Inverters



5kW

VT-6605103
SKU 11513

Number of MPPT 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

Number of MPPT Trackers	2
String per MPPT	1



UPS function
switch time < 10ms



PV oversize
1.5 times pv oversize



MPPT channels
up to 2 MPPT channels



Multiple inputs
support generator &
wind turbines

Solar Inverters

Single Phase

Hybrid Solar Inverters



5kW | 6kW



Number of MPP Trackers	2
String per MPPT	1



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system



Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Max. charging/discharging current of 135A



6 time periods for battery charging/discharging



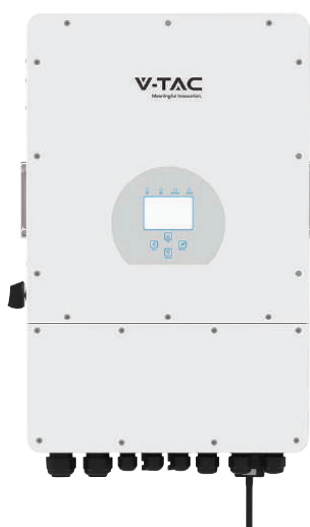
Support storing energy from diesel generator

Solar Inverters

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

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



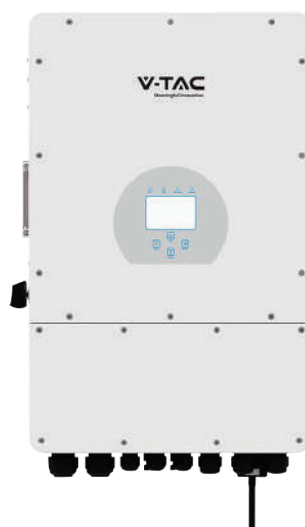
6 time periods for battery charging/discharging



Support storing energy from diesel generator



100% unbalanced output



12kW

Number of MPP Trackers	2
String per MPPT	2+1

Battery Storage Solutions

Rack Mounting

Lithium Battery



5.12kWh

VT-48100E-P2

51.2V

VOLTAGE



**Perfect compatibility
& expandability**



**High performance
& efficiency**



Easy installation



**Long-life lithium
Battery**



9.60kWh

48200B

48.0V

VOLTAGE

Battery Storage Solutions

Indoor

Wall Mounting

Batteries



5.12kWh

VT48100E-W

51.2V

VOLTAGE



5kWh

AT48-100H
LiFePO4 Battery Pack

VT-5139

48V

VOLTAGE



10kWh

AT48-200H
LiFePO4 Battery Pack

VT-10240

48V

VOLTAGE

Battery Storage Solutions

Weatherproof

Wall Mounting

Batteries



5.12kWh

VT-48100-W2

51.2V

VOLTAGE



**Intelligent BMS
monitoring for
all-round protection**



**A-grade LFP cells,
ensuring safety of
the battery**



**6000 cycle lifespan
with a 10 year
warranty**



14.33kWh

VT-48280-W2

51.2V

VOLTAGE



**Overcurrent
protection**



**In-built App to
monitor and track
battery capacity**



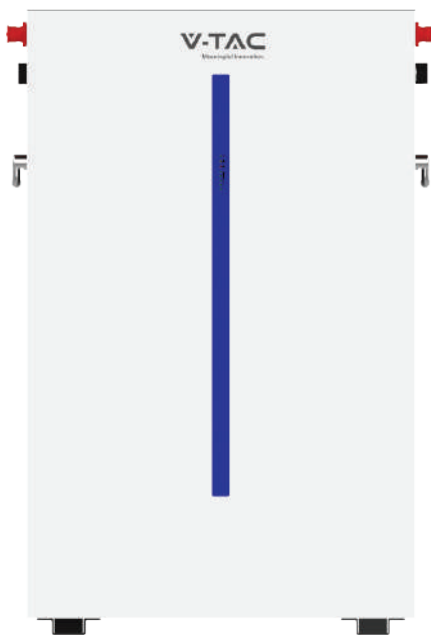
**Easy installation with
wall-mounted
latches**

Battery Storage Solutions

Weatherproof

Wall Mounting

Batteries



CEI 0-21 Certificate

6.14kWh

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.

Battery Storage

Waterproof

Wall Mounting

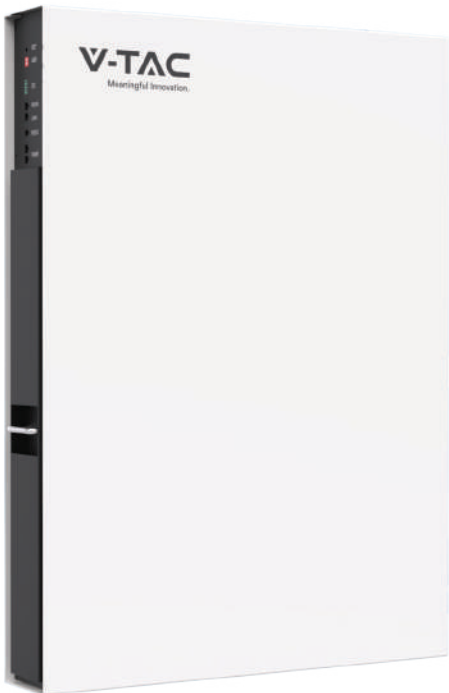
Batteries

48.0V

VOLTAGE

7.64kWh

VT-48160



	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

Light Industrial Solar System



Three Phase On Grid/ Off Grid
Solar Inverter

8kW

VT-6608303



**Lead-acid/ Lithium
battery**



**Battery reverse
protection**



**IP66
rating**



**Smart energy
management**



**Zero export
function
(Integrated)**



Smart ESS Solution

20kWh

VT-204100B-W



**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



MIDDLE CLAMP 35MM



SILVER RAIL

ROOFTOP HOOK-01
91

L FEET GROUP

STEEL HORSE-SHAPED
KLIPLOCK01 SETSTEEL HORSE-SHAPED
KLIPLOCK02 SET

TT-NUT



SPLICE FOR RAIL



GROUNDING PLATE

ADJUSTABLE
FRONT LEGADJUSTABLE REAR LEG
(10°-15°)
(15°-30°)PV CABLE
CONNECTOR-MC4TRIANGLE
SUPPORT-1700

PV CABLE 100M

4 SQUARE
4 SQUARE
6 SQUARE
6 SQUARE

PV6 CABLE WITH MC4
CONNECTORS 2 END
FOR SOLAR PANEL
CONNECTIONWIFI DONGLE
FOR INVERTERSSTORAGE BATTERY RACK
MAX 5 LAYERS

Size: 558*500*160mm
Adapting Battery-VT48100E-P2

STORAGE BATTERY RACK
MAX 3 LAYERS

Size: 598*589*260mm
Adapting Battery-VT48200B



SINGLE PHASE SMART METER



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



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



300W

VT-303

AUXILIARY
CHARGE OUTPUT

AC
OUTPUT
HIGH EFFICIENCY

POWER
DELIVERY
QC 3.0
18W



500W

VT-606



1000W

VT-1001



2000W

VT-2002



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

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

210W

VT-10210

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.

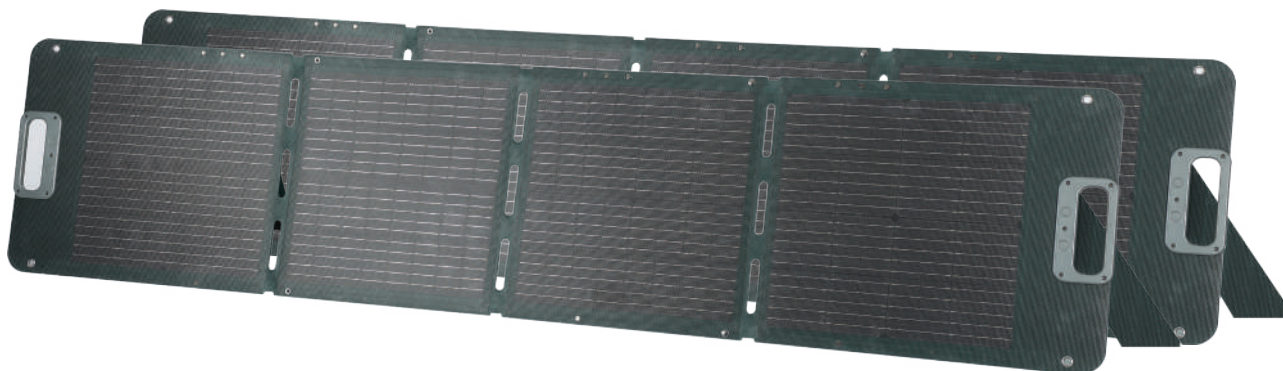
• Built to Last

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

03 YEAR
WARRANTY



Folding Solar Panels

80W

VT-10080

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

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

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

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