



CREATE A NEW ERAOF SMART ENERGY

Commercial & Industrial Portfolio - Commissioning & SEMS



Power Line

Communication

COMMERCIAL & INDUSTRIAL SOLUTION 17-136 kW

Full Load Operation Up to 15% AC Output

Overloading

(0) (0) (0)



100-136kW / 10 to 12 MPPT



Up to 12 MPPT

50-80kW / 4 MPPT



YOY

Arc-Fault Circuit

Interrupter

25-36kW / 3 MPPT



50%

Up to 50%

DC Oversizing

17-25kW / 2 MPPT

SDT G2 Series – benefits at a glance







- C&I three phase inverters for commercial applications from 17 to 25 kW with 2 MPPTs
- Light Weight 25 kg
- Wide PV Voltage Range:
 - 200V-950V **MPPT Range**
 - 1100V max input
- High energy yields thanks to:
 - efficiency up to 98,4%
 - AC overloading up to 10%
 - 50% DC overloading
- Robust body made of die-cast Aluminium
- Reliable, also under tough conditions, thanks to IP65 rating and operating temperature range of -30...60°C

SMT Series – benefits at a glance





Utility Export Control

- C&I three phase inverters for commercial applications from 25 to 36 kW with 3 MPPTs
- Light Weight 40 kg
- Wide PV Voltage Range:
 - 200V-950V **MPPT Range**
 - 1100V max input
- High energy yields thanks to:
 - efficiency up to 98,8%
 - AC overloading up to 10%
 - 50% DC overloading
- Robust body made of die-cast Aluminium
- Reliable, also under tough conditions, thanks to IP65 rating and operating temperature range of -30...60°C

MT Series – benefits at a glance





Utility Export Control

- C&I three phase inverters for C&I applications from 50 to 80 kW with 4 MPPTs
- Wide PV Voltage Range:
 - 200V 1000Vdc MPPT Range
 - 1100V max input
- High energy yields thanks to:
 - efficiency up to 98,8%
 - AC overloading up to 10%
 - 50% DC overloading
- Optional: AFCI Arc Fault Current Interrupter, Anti PID Function
 & AC Terminal Temperature Monitoring
- Reliable, also under tough conditions, thanks to IP65 rating and operating temperature range of -30...60°C
- PLC Power Line Communication available

HT Series-benefits at a glance



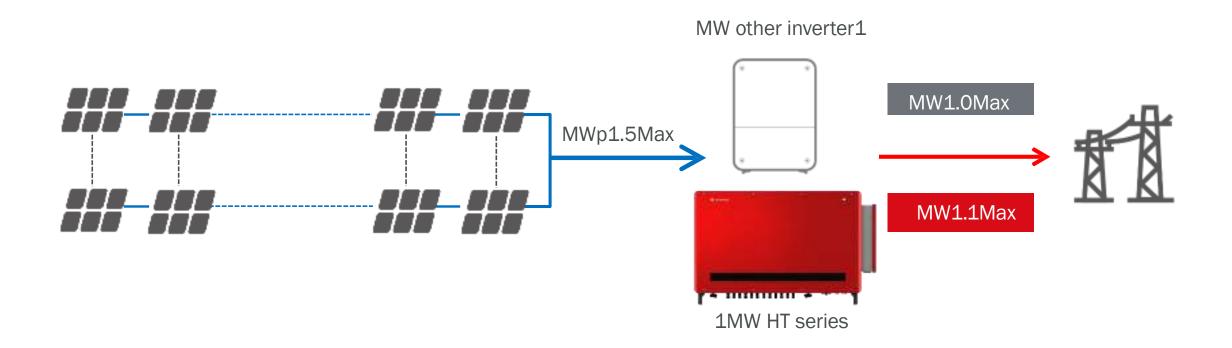


Utility Export Control

- Utility & C&I three phase inverters for large C&I and Utility applications from 100 to 120 kW with 10 to 12 MPPTs
- Wide PV Voltage Range:
 - 180V 1000Vdc MPPT Range
 - 1100V max input
- High energy yields thanks to:
 - efficiency up to 98.6%
 - AC overloading up to 10%
 - 50% DC overloading
 - compatibility with BF modules
- Low voltage (400 Vac)
- Fully Integrated SPD on the DC & AC & communication boards
- Optional: AFCI Arc Fault Current Interrupter, Anti PID Function, Humidity
 Detection & AC Terminal Temperature Monitoring
- Reliable, also under tough conditions, thanks to IP66 rating and operating temperature range of -30...60°C

AC overloading to maximize power output



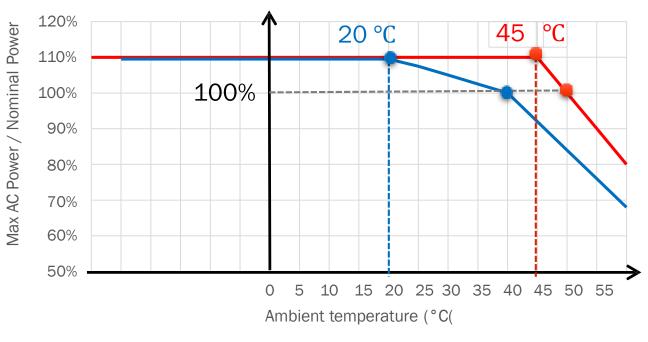


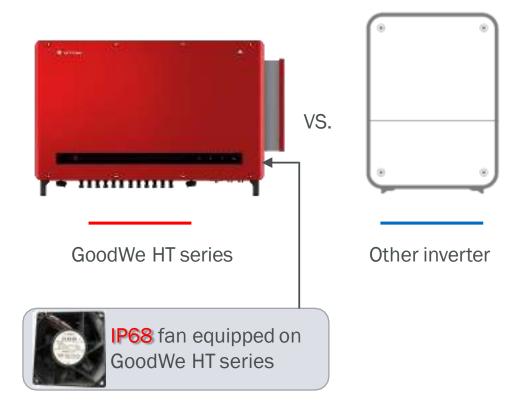
Up to 10% AC overloading capability provides more AC output power, and thus increases the energy yield.

High Temperature Adaptability





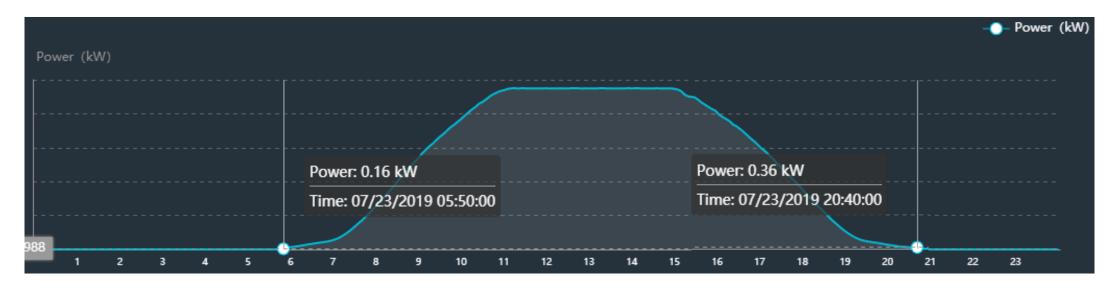




Derating threshold value of 45°C of HT Series contributes to higher yield in mild and hot areas.

Long operation hours due to low starting voltage





Power Curve of a reference site installation

Starting voltage 200V

Wide MPPT range: 180 V - 1000 V





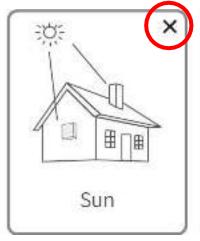
Recommended to avoid locations with direct exposure to:

- Sunlight
- Rain
- Snow







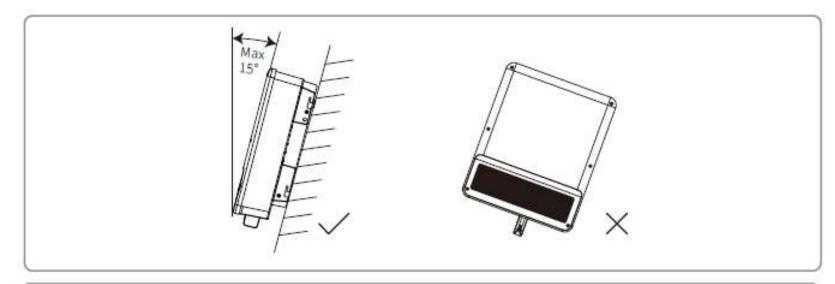


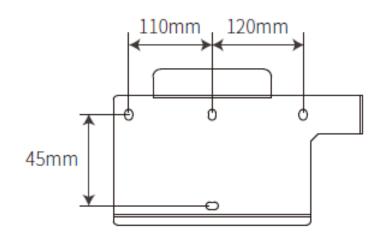


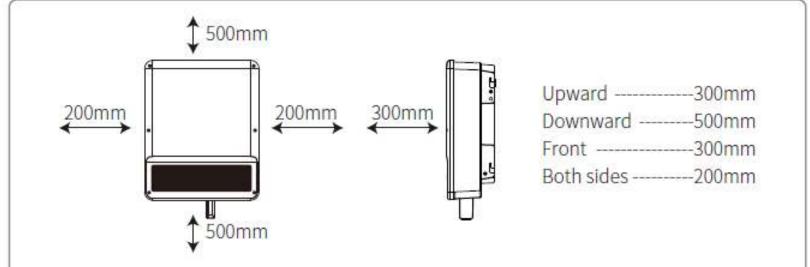


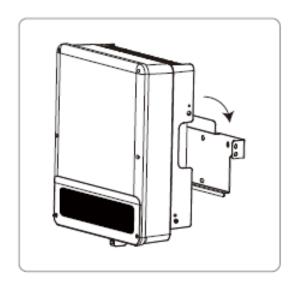
GOODWE

SDT G2 Series Mounting



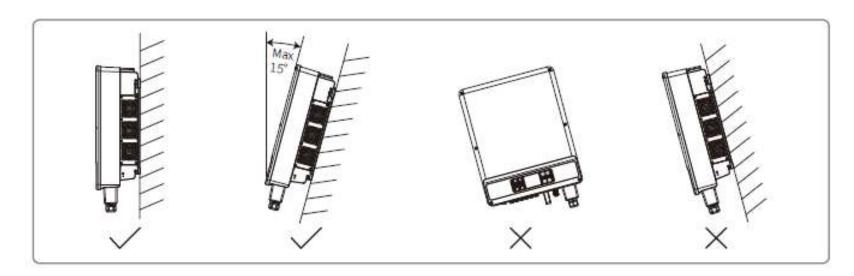


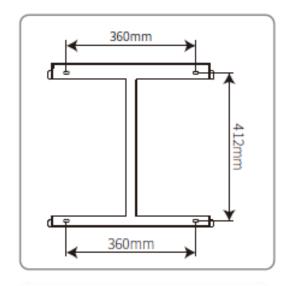


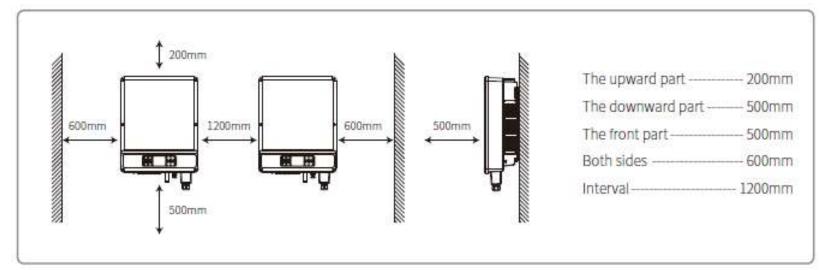


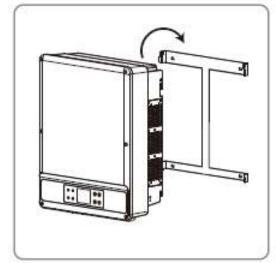
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SMT Series Mounting



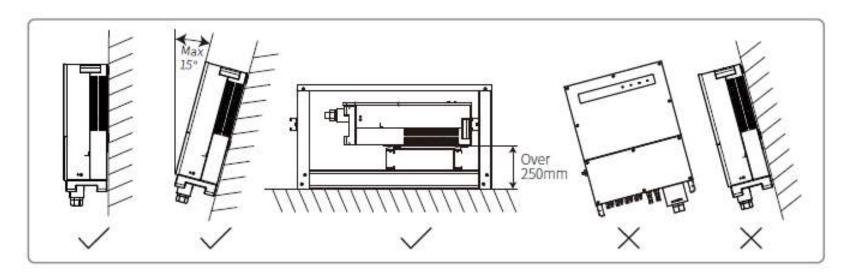


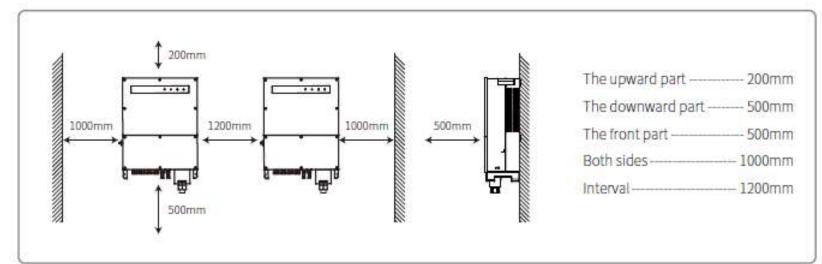


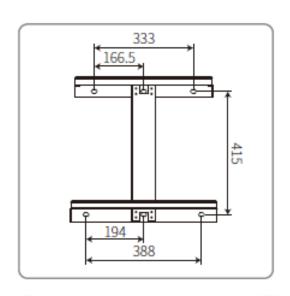


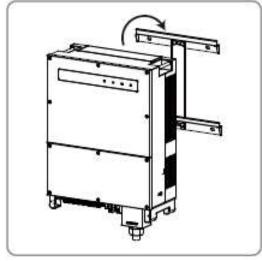
GOODWE

MT Series Mounting



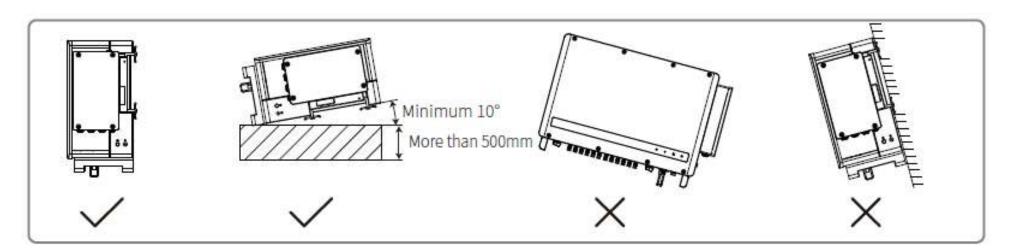


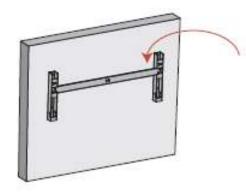


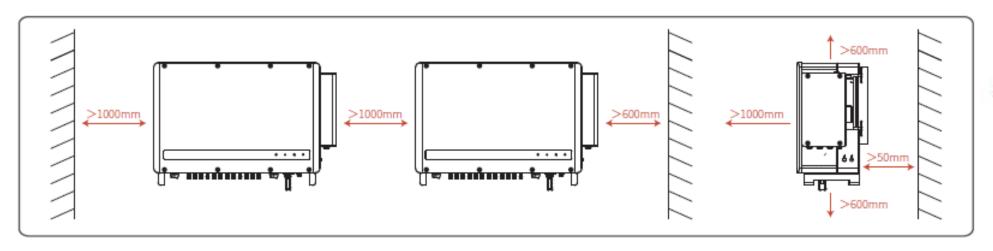


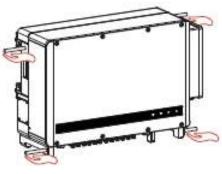
GOODWE YOUR SOLAR ENGINE

HT Series Mounting





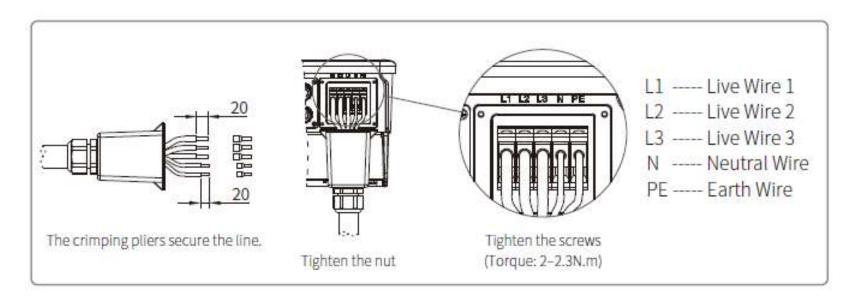


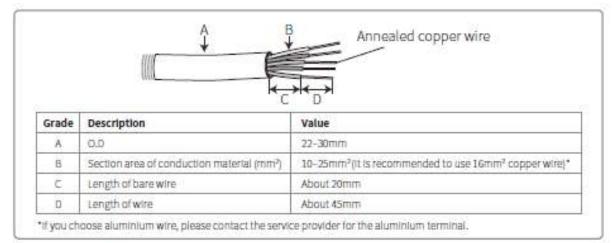


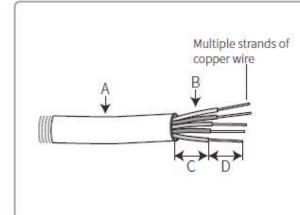
AC connection

GOODWE

SDT G2 and SMT Series





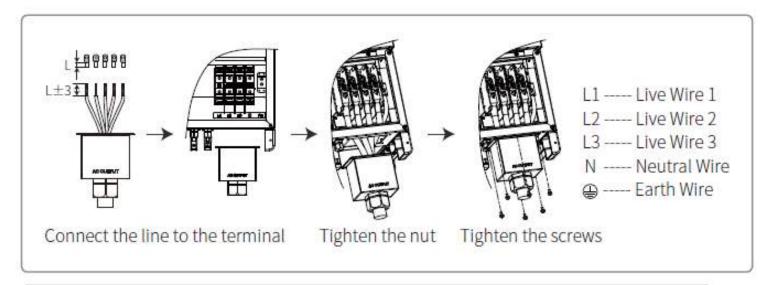


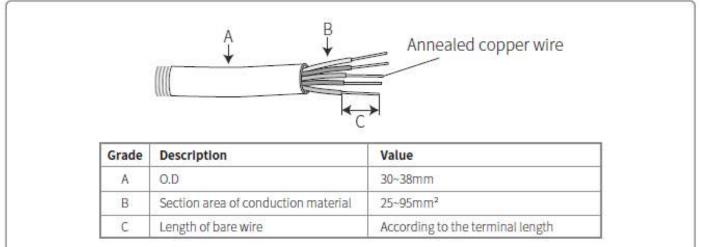
Grade	Description	Value
Α	Outer diameter	17~20kW: 18~25mm
		25kW:22~32mm
	Conductor Material	17kW:6~16mm ²
В	Sectional Area	20kW:10~16mm ²
		25kW:10~25mm ²
С	Bare wire length	45mm around
D	Wire length	12mm around

AC connection

GOODHE YOUR SOLAR ENGINE

MT Series

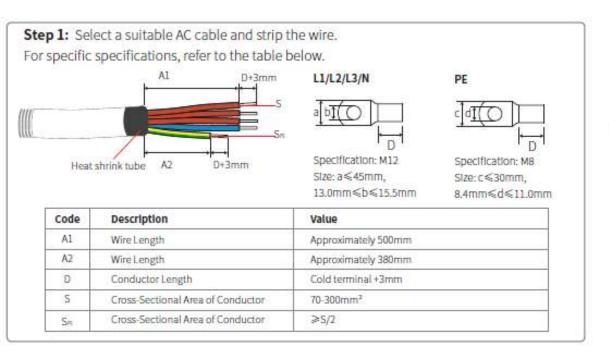


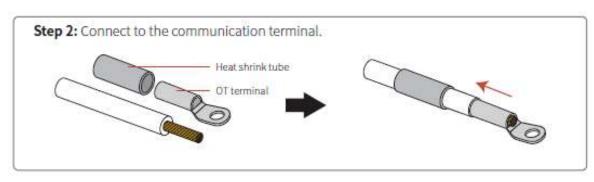


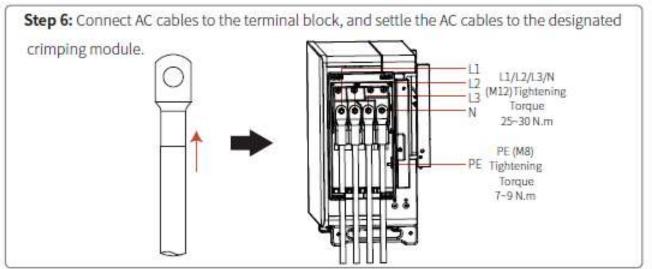
AC connection

GOODWE YOUR SOLAR ENGINE

HT Series



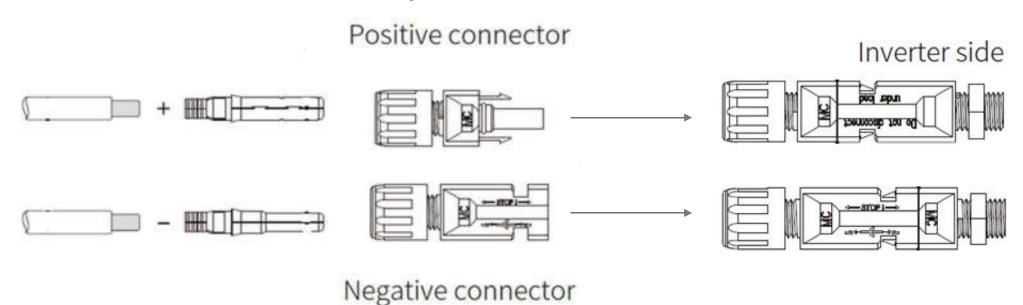




DC connection



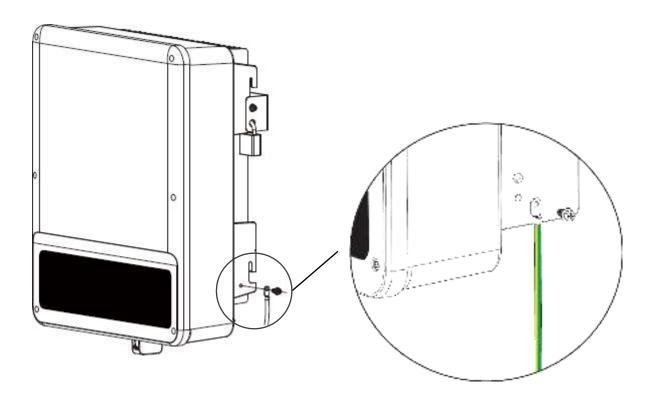
- 1. Crimp positive and negative pins onto DC conduction use appropriate and calibrated crimping tool
- 2. Insert pin inside MC connector
- 3. Tighten MC connector gland
- 4. Connect MC connector into inverter DC input



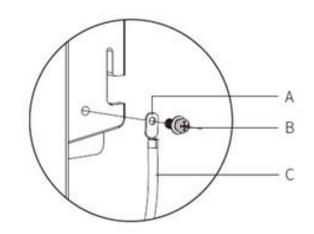
Potential Earth connection



- Earth connection is located on the body of the inverter
- Use supplied earth terminal for connection observer maximum cable size



NO.	Name	Explanation
Α	Cold-pressed terminal	
В	Screw	(Observe the manual)
С	Green & Yellow Cable	(Observe the manual)

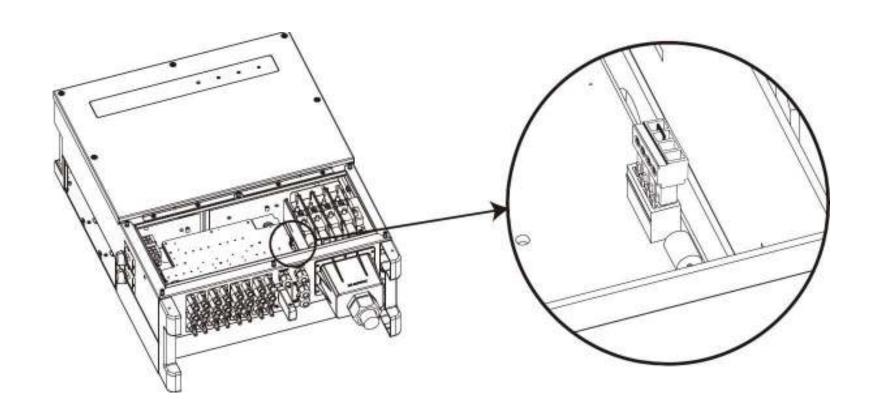


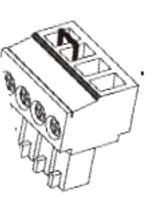
Remote Shutdown terminal



MT series

If the remote shutdown feature is NOT used, the connector MUST be installed with terminals 1 and 2 shorted with a wire or resistor (supplied)



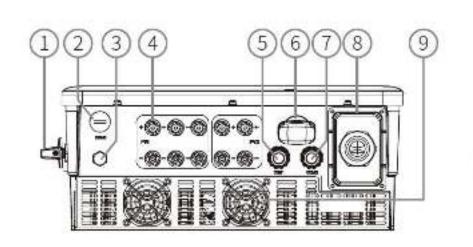


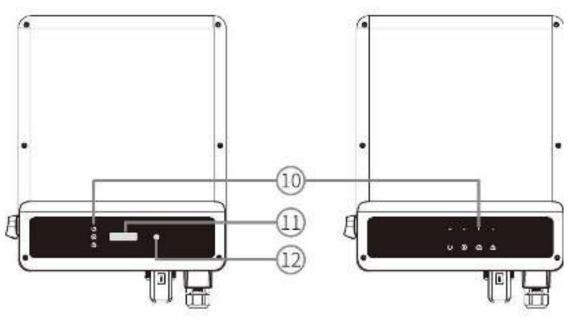
pin terminal-4

Commissioning: SDT G2 series



17~25KW





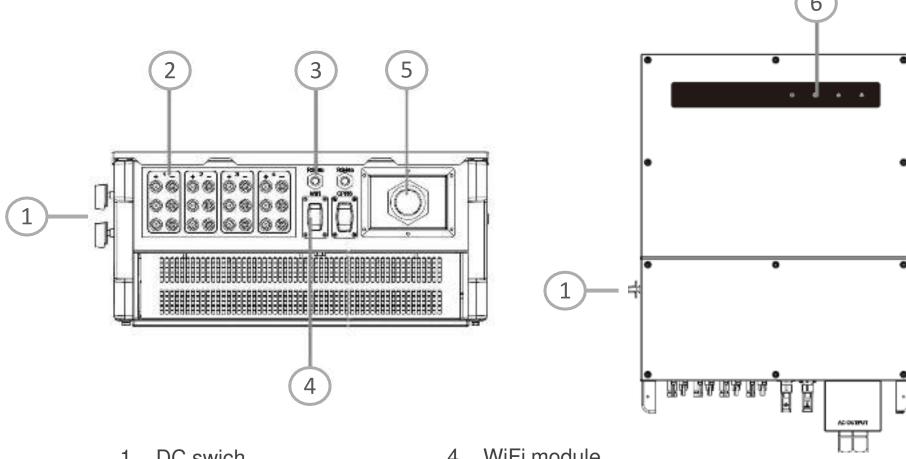
- 1. The DC switch
- 2. USB port (Optional)
- 3. Waterproof vent
- 4. PV input port (17/20kw PV 4 pairs, 25 KW PV 5 terminal)

- 5. Smart Meter / RS485
- 6. Com module
- DRED(6-Pin) / Remote shutdown(2-Pin)
 (Optional)
- 8. AC output port

- 9. Fan
- 10. Indicator Lights
- 11. LCD
- 12. Button

Commissioning: MT series





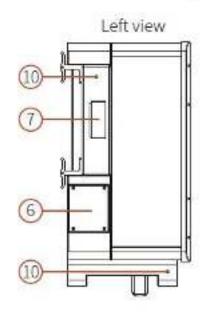
- DC swich
- PV input terminals
- 3. RS485 port

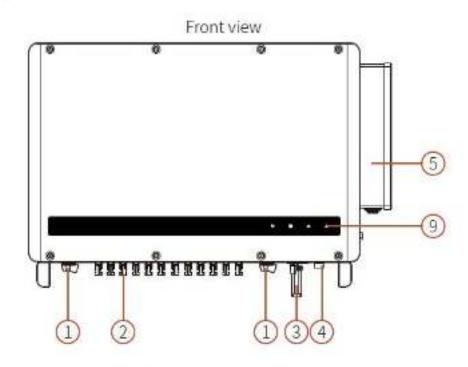
- WiFi module
- 5. AC output terminal
- LED

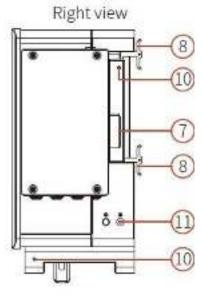
Commissioning: HT series



Series without display







- 1. DC switch
- 2. DC terminal
- 3. Communication module
- 4. RS485 communi-

- cation port
- 5. AC junction box
- 6. Fan assembly
- 7. Handle
- 8. Back hanger

- 9. LED indicator
- 10. Lifting ring,

handle mounting

hole

11. Ground port

GoodWe Apps









SolarGo

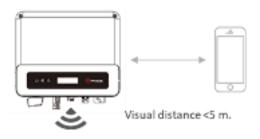
Residential Commercial & Industrial setting

PV Master

Energy storage setting

SEMSMonitoring

Internet setup: WiFi (SEMS)



Turn ON the DC switch of the inverter





Select "Wifi configuration"



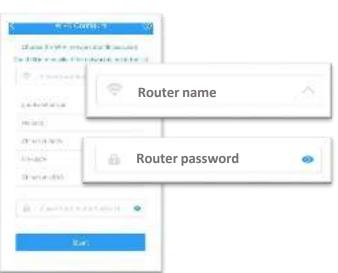
Open Settings of the Smartphone



Click "Next"



Open Wi-Fi and select "Solar Wifi"



Find the router and write the password of the router



- Set Flight mode, if Wifi smartphone detection unsteady

Solar-WiFixxxxxxx

)Solar-WiFi + the last 8 digits of the inverter serial number) PW: 12345678



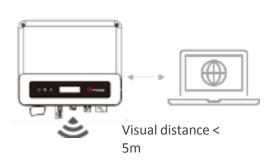
Write the password





Click "Ok" to finish the Wifi setting

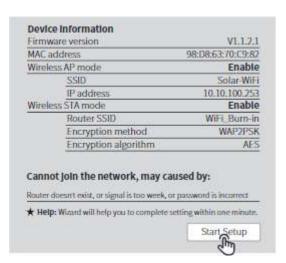
Internet setup: WiFi (Browser)



Turn ON the DC switch of the inverter



Open Internet Access



Click "Start Setup"



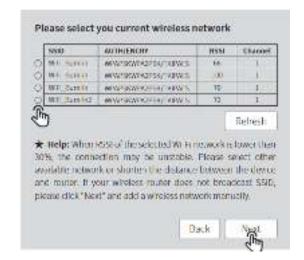




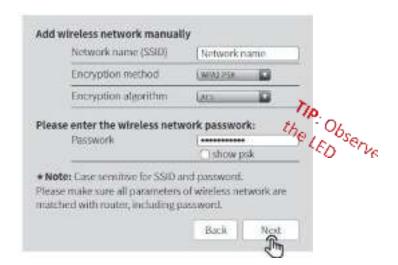
http://10.10.100.253

Select "Solar Wifi"

BLAK



Select customer's Wifi network



Enter customer's router password and complete

Grid setup (SolarGo)



Turn ON the DC switch of

SCECKMTL/(SEROCC)

53.43kW

242.8kWh

241.5kWh

Distancia visual < 5m

the inverter

Awaren 15.00

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MATERIAL AND ASSESSMENT OF THE PARTY OF THE

(Panel

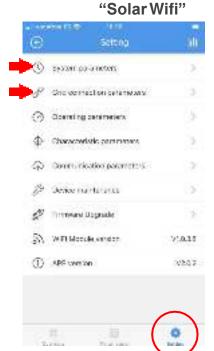
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€ satings

W.F.

Solar-WFH68W0003

GoodWe Salar Academy:

Open Wi-Fi and select

CHOOSE A BETWOEN. China Net-F7xM

goodwe

goodws-5g

goodwe-hm

Wi-Fi

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Time setting

Champe paperword

TIP: Set Flight mode, if Wifi smartphone detection unsteady



Solar-WiFixxxxxxx

Solar-WiFi + the last 8 digits of the inverter serial number

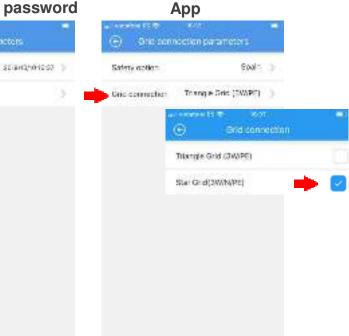
PW: 12345678

Write the

SCIENT/MHOSE 1



Open Solar Go App



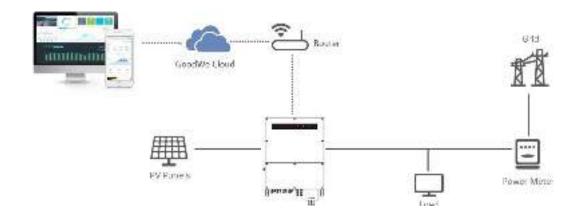
Home screen

Parameters

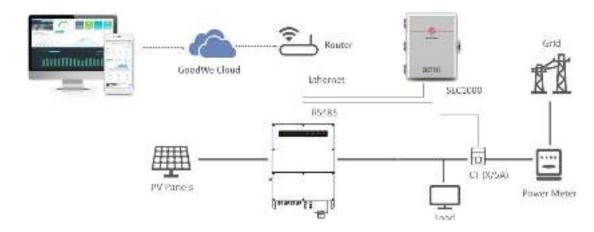
Setting

Monitoring diagrams – C&I

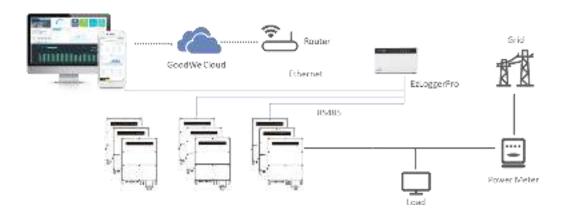




PV Monitoring (Wi-Fi / LAN)

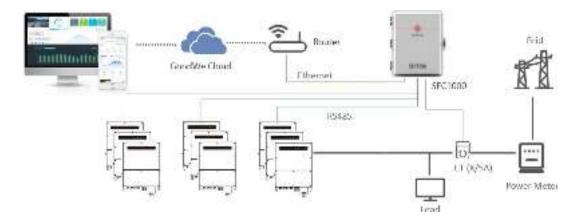


PV + Load monitoring + Export power limit (SEC1000)



Multiples Inverters (up to 60 Inv.)

PV (EzLoggerPro)

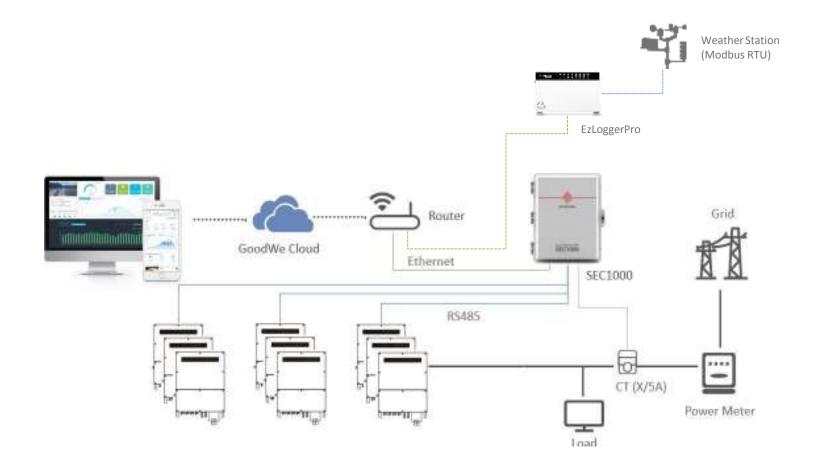


Multiples Inverters (up to 60 Inv.)

PV + Load monitoring + Export power limit (SEC1000)

Monitoring diagrams – C&I + Weather Station





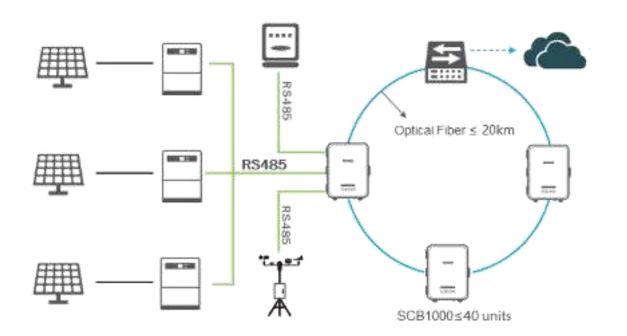
Multiple inverters (up to 60 lnv.)

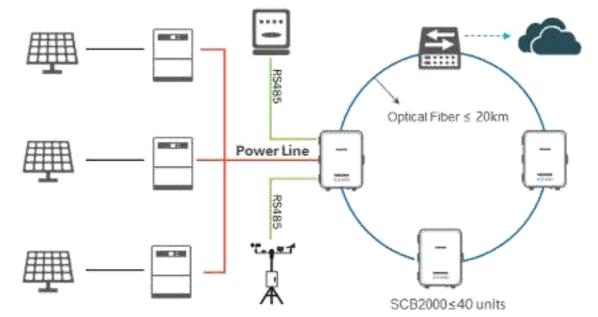
PV + Load monitoring + Power limit (SEC1000)

Weather Station (EzLoggerPro)

Monitoring diagrams – C&I







Multiple inverters

Communication by RS485 & Optical fiber

SCB1000

Multiple inverters

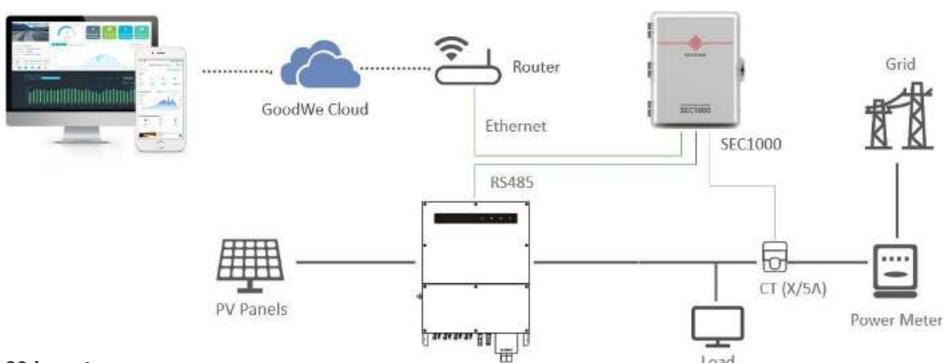
Communication by PLC & Optical fiber

SCB3000: SMT & HT Series

SCB2000: MT series

Smart Energy Controller for C&I applications





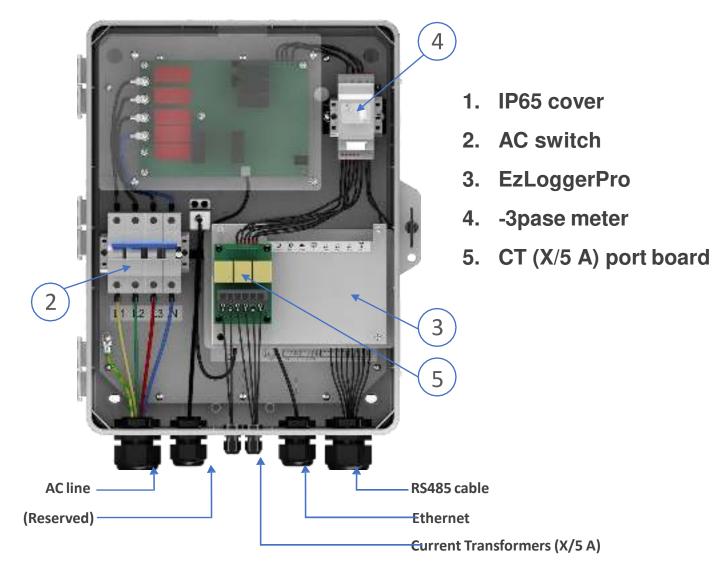
SEC1000

- Monitoring up to 60 inverters
- Power limit function
- Load monitoring
- Reactive power control
- Massive inverter FW upgrade

SEC1000



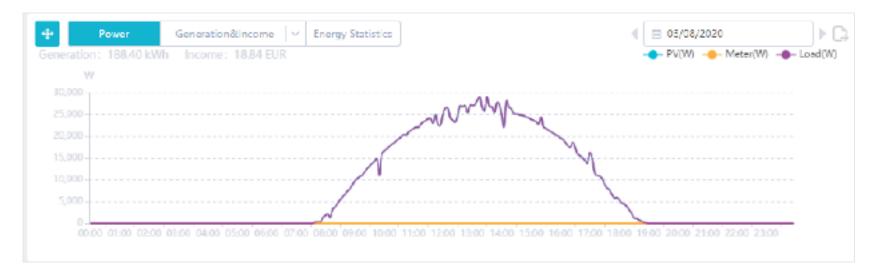




SEC1000- PV plant curves on SEMS





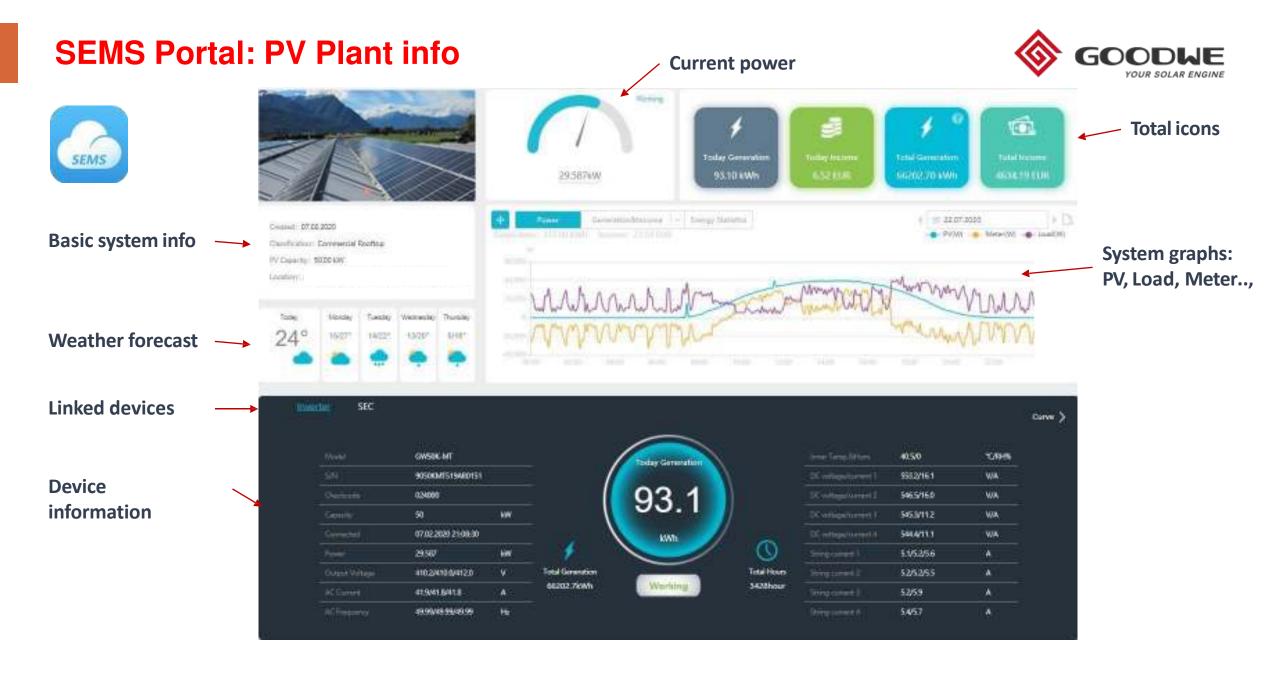












SEMS Portal: Device info





Inverter information

SEC Curve > CWS06-MT 405/0 TORRES 553,2/16.1 90506MTS15ARD151 WA. 93.1 (274000 \$46,576.0 WW 50 W. 545.3/11.2 WA 07/02/2020 21:00:50 5954/11.1 VOA. 29.587 W. 13/52/56 **Total Generation Total House** 4102/410/0/4128 12/12/53 66202.7kWh 3428hour 41/9/91/8/91/8 5.2/59 49.99/40.39/49.90 54/57

Curve data

Inverter

Data Lichen

Data Lichen

Of 02 2020 24 08-45

CF formation

CF Ratio

S0

Function From Communication

Target H

Expert From Limit

Food Capacity

SEC1000

SEC1000

SEC1000

E095403

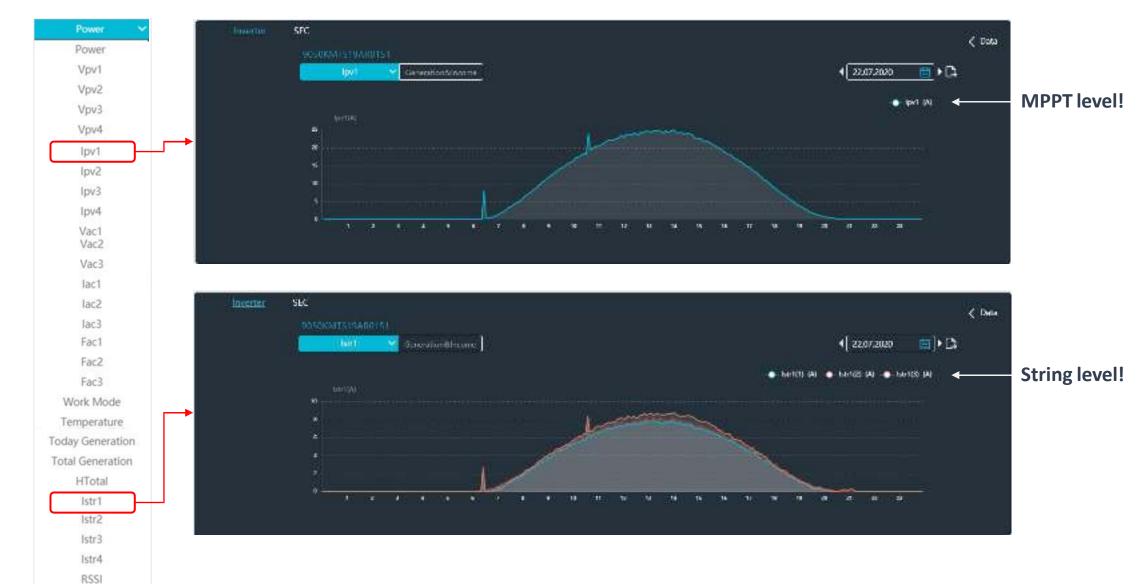
information1000 SEC

SEMS Portal: Curve info per inverter

Pac







SEMS Portal: Dashboard – Global Plant Management









Power Line

Communication

COMMERCIAL & INDUSTRIAL SOLUTION 17-136 kW

Full Load Operation Up to 15% AC Output

Overloading

(0) (0) (0)



100-136kW / 10 to 12 MPPT



Up to 12 MPPT

50-80kW / 4 MPPT



YOY

Arc-Fault Circuit

Interrupter

25-36kW / 3 MPPT



50%

Up to 50%

DC Oversizing

17-25kW / 2 MPPT

Key Features - Easy for Installation



Compact

Small size & light weight



Plug & Play

Both the AC and DC terminals are plug & play



Bluetooth

Quick setup via Bluetooth



Key Features - High Yields



Oversizing & Overloading

Up to 100% DC oversizing and 15% AC overloading



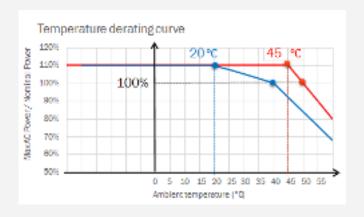
High Efficiency

Up to 99% efficiency



Performance under high temperatures

100% power at 50 °C



Key Features - Safety Ensured



AFCI 2.0

Quick Fire Hazard
Detection



IP66 & Type I Surge Protection

Well protected from rain and lighting, suited for outdoor installation



I-V Curve Diagnosis

Fast & Accurate Abnormal String Tracking

