

Cable Specifications

No	Capacity	AC cable Copper flexible	AC cable Aluminium
1	1KW 1Ph	1.5sq.mm	2.5sq.mm
2	2KW 1Ph	2.5sq.mm	4sq.mm
3	3KW 1Ph	2.5sq.mm	4sq.mm
4	4KW 1Ph	4sq.mm	6sq.mm
5	5KW 1Ph	6sq.mm	10sq.mm
5	5KW 3Ph	2.5sq.mm 4 core	4sq.mm 4 core
6	6KW 3Ph	2.5sq.mm 4 core	4sq.mm 4 core
7	8KW 3Ph	4sq.mm 4 core	6sq.mm 4 core
8	10KW 3Ph	4sq.mm 4 core	6sq.mm 4 core
9	15KW 3Ph	6sq.mm 4 core	10sq.mm 4 core
10	20KW 3Ph	10sq.mm 4 core	16sq.mm 4 core
11	25KW 3Ph	16sq.mm 4 core	16sq.mm 4 core
12	33KW 3Ph	16sq.mm 4 core	25sq.mm 4 core

Packing List

	Inverter	Mounting Bracket	Mounting Accessories	DC Plugs MC4 or D4 (optional)	AC Connector	Wi-Fi stick (optional)	Documents
1-6.2KW 1Ph							
4-6.2KW 1Ph							
5-10KW 3Ph							
15-25KW 3Ph							
30-60KW 3Ph							

DC Wire Assembly and Connection

Step 1 Strip off the insulation

Step 2 Assemble the cable ends

Note: Don't crimp this part!

Positive terminal

Negative terminal

Crimp pliers to cable ends

Step 3 Assemble the connectors

2.6-2.9 N-m

Please check if the cables are securely installed by pulling outwards

Step 4 Check the polarities of the PV strings 1-6.2KW<500v for 1φ 3-25KW<1000v & 30-60KW<1000 for 3φ

Step 5 Remove the waterproof caps from PV terminals

If there is an unused terminal, please seal it with the cap

Step 6 Insert the connectors into the terminal till you hear an audible click.

ADITYA GT/GT3 Error Codes

Error Code	Description
5	PV voltage too high
6	Surface insulation resistance error
7	Ground fault circuit interrupter(GFCI) exceeds the permissible range
8	Inverter temperature too high
9	Utility grid disconnected
10	Grid voltage exceeds the permissible range
11	Grid frequency exceeds the permissible range
15	Bus-voltage too high
16	Bus-voltage too low
19	N-PE voltage too high

NOTICE Make sure the cover and the communication cable gland has been mounted properly and adequately

Commissioning

Please check if

1. The inverter and mounting bracket have been correctly installed. 2. The inverter's exposed metal surface has a ground connection. 3. The resistance between PV arrays and ground is greater than 1Mohm. 4. For any unused DC terminals, there are DC connectors inserted to the terminal and sealed with waterproof caps. 5. The grid voltage at the point of connection of the inverter is within the permitted range. 6. The AC circuit breaker must be correctly rated and wired. 7. The cable communication connectors have been correctly wired and tightened.

Startup

Switch on the DC switch after finishing the above checks, then switch on the AC circuit breaker. When there is sufficient DC power applied and the grid conditions are met, the inverter will start to operate automatically.

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EXIDE Quick Installation Guide

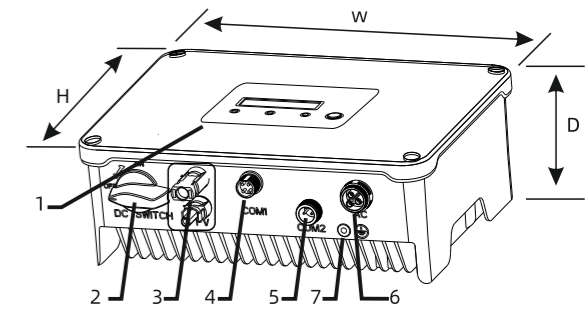
For more information, visit our website : www.exideindustries.com

1. ADITYA GT 1-3.3KW 1Ph

Product Overview

- LCD&LED or LED
- DC switch (optional)
- PV Terminal (s)
- COM1: Wi-Fi / RS485 / GPRS Stick(optional)
- COM2: Meter Terminal
- AC Terminal
- Second PE Terminal

Dimension:W×H×D=297 x 223 x 117mm

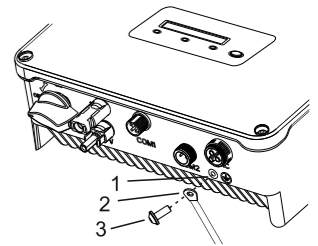


Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. Ensure the PE terminal is reliably grounded and the grounding resistance is less than 10 Ohm.

Object	Description
1	Housing
2	M5 terminal lug with protective conductor
3	M5×13 pan head screw

Tighten it firmly into the housing (T25 screwdriver, torque: 2.5Nm).

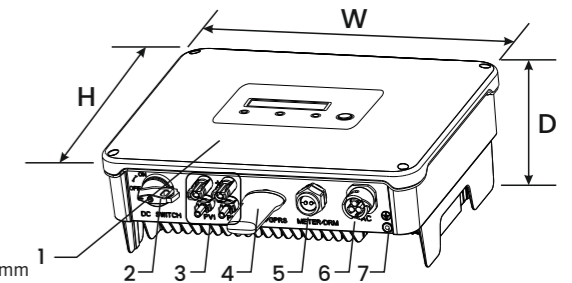


2. ADITYA GT 4-6.2KW 1Ph

Product Overview

- LCD&LED or LED
- DC switch (optional)
- PV Terminal (s)
- Wi-Fi/GPRS Stick(optional)
- Cable gland for Meter/DRM
- AC Terminal
- Second PE Terminal

Dimension:W×H×D=395 x 328 x 154mm

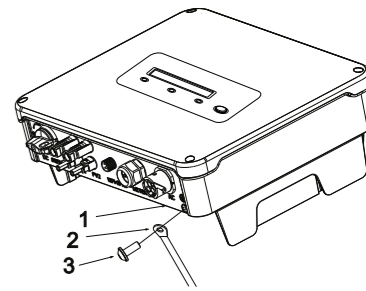


Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. Ensure the PE terminal is reliably grounded and the grounding resistance is less than 10 Ohm.

Object	Description
1	Housing
2	M5 terminal lug with protective conductor
3	M5×13 pan head screw

Tighten it firmly into the housing (T25 screwdriver, torque: 2.5Nm).



AC Wire Assembly and Connection (1ph only)

⚠ DANGER
 Danger to Life due to High Voltages in the Inverter
 Before connecting any electrical wires and components, please ensure the DC switch & AC circuit breaker are switched OFF and cannot be reactivated.

Step 1 Insert the conductor into a suitable ferrule acc. to DIN 46228-4 and crimp

Step 2 Assemble the locking cap, threaded sleeve and swivel nut together

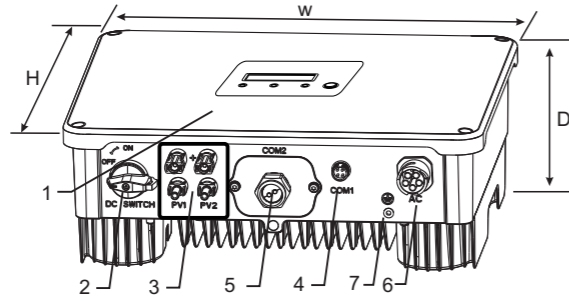
Step 3 Screw the AC connector firmly into the socket

Note: Please insure that the connector has been correctly installed!

3. ADITYA GT3 5-10KW 3Ph

Product Overview

1. LCD&LED or LED
2. DC switch
3. PV Terminal (s)
4. COM1: Wi-Fi / GPRS Stick(optional)
5. COM2: Meter/RS485 Terminal
6. AC Terminal
7. Second PE Terminal



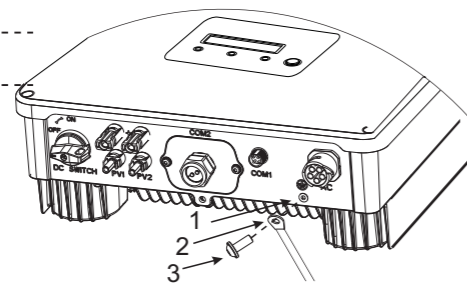
Dimension:W×H×D=425×351×160mm

Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. Ensure the PE terminal is reliably grounded and the grounding resistance is less than 10 Ohm.

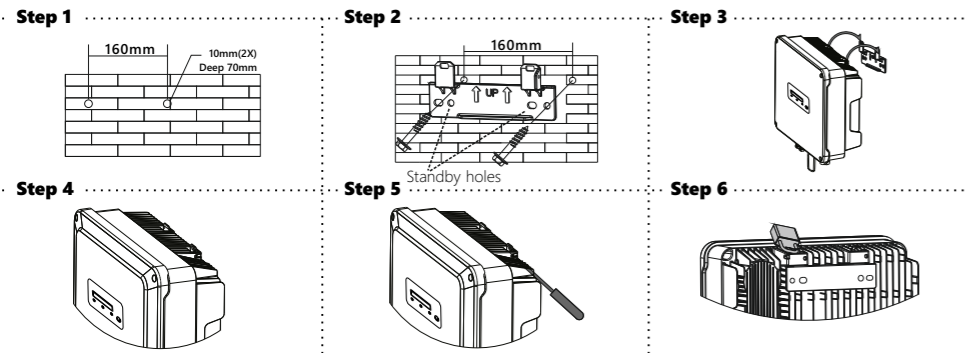
Object	Description
1	Housing
2	M5 terminal lug with protective conductor
3	M5×13 pan head screw

Tighten it firmly into the housing (T25 screwdriver, torque: 2.5Nm).



Mounting (1KW 1Ph-10KW 3Ph)

- 3.1.1 Use the mounting bracket as a template mark and drill holes of 10mm diameter and 70mm depth
- 3.1.2 Fix the mounting bracket with the screws and expansion bolts packed in mounting accessories
- 3.1.3 Attach the inverter to the mounting bracket
- 3.1.4 Check both sides of heat sink and ensure the inverter is stably attached

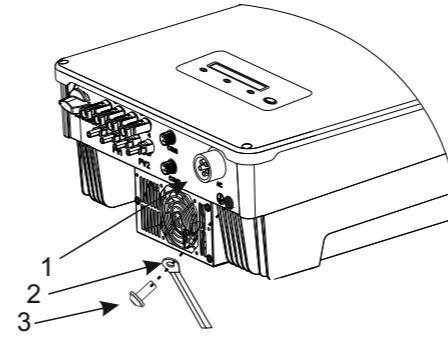


Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. Ensure the PE terminal is reliably grounded

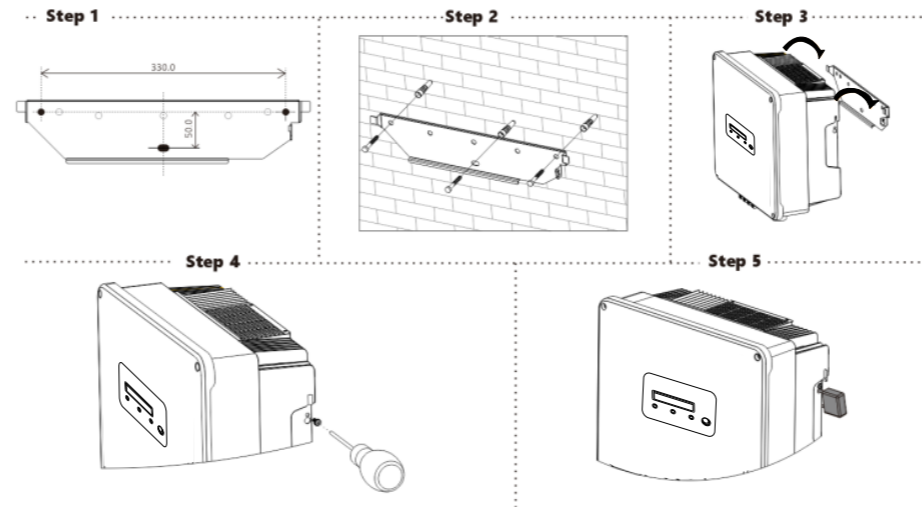
Object	Description
1	Housing
2	M6 terminal lug with protective conductor
3	M6×16 screw

Tighten it firmly into the housing (Torque: 3.5-5N.m)



Mounting (15KW-25KW 3Ph)

- 3.1.1 Use the mounting paper guide as a template mark the holes on the wall.
- 3.1.2 Drill three holes in the marked position of 10mm diameter and 70mm depth
- 3.1.3 Fix the expansion bolts and mounting the main bracket with the screws in mounting accessories
- 3.1.4 Attach the inverter to the mounting bracket, mounting the support bracket on the bottom of the inverter
- 3.1.5 Check both sides of heat sink and ensure the inverter is stably attached
- 3.1.6 Use M5 screws (with T25 screwdriver, torque: 2.5Nm) to attach the heat sink fins to the mounting bracket
- 3.1.7 It is recommended to attach an anti-theft lock to the inverter

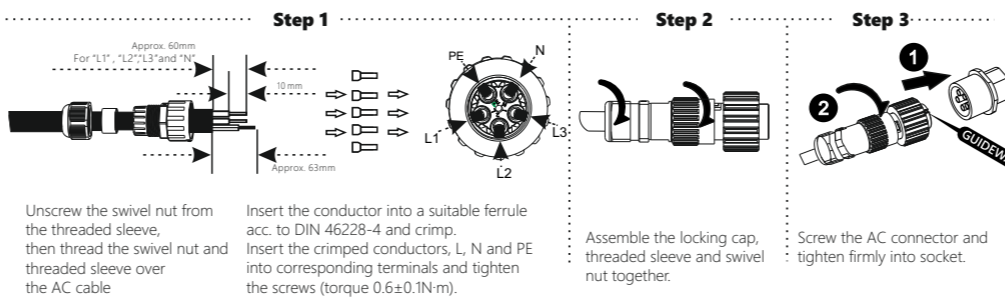


AC Wire Assembly and Connection (3KW-25KW 3Ph)

⚠ DANGER

Danger to Life due to High Voltages in the Inverter

Before connecting any electrical wires and components, please ensure the DC switch & AC circuit breaker are switched OFF and cannot be reactivated.



Unscrew the swivel nut from the threaded sleeve, then thread the swivel nut and threaded sleeve over the AC cable

Insert the conductor into a suitable ferrule acc. to DIN 46228-4 and crimp. Insert the crimped conductors, L, N and PE into corresponding terminals and tighten the screws (torque 0.6±0.1N.m).

Assemble the locking cap, threaded sleeve and swivel nut together.

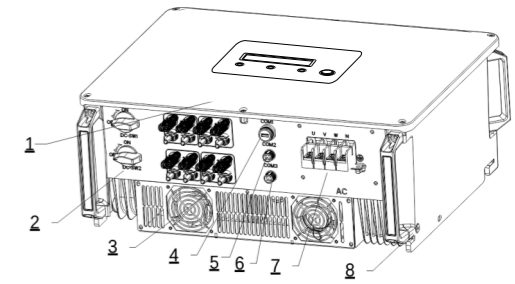
Screw the AC connector and tighten firmly into socket.

Note: Please ensure that the connector has been correctly installed!

5. ADITYA GT3 30-60KW 3Ph

1. Product Overview

1. LED&LCD or LED
2. DC Switch
3. PV Terminal (s)
4. COM1: Wi- Fi/ GPRS/RS485 port
5. COM2: Smart Meter port
6. COM3: RS485
7. AC Terminal
8. Secondary PE Terminal

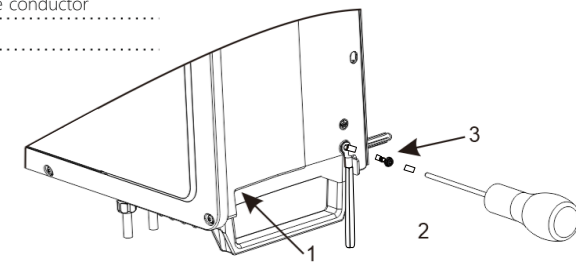


Dimension:W×H×D=425×351×200mm

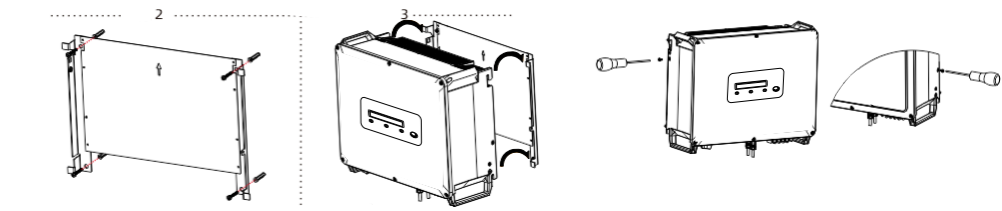
Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. Ensure the PE terminal is reliably grounded

Object	Description
1	Housing
2	M6 terminal lug with protective conductor
3	M6×12 screw



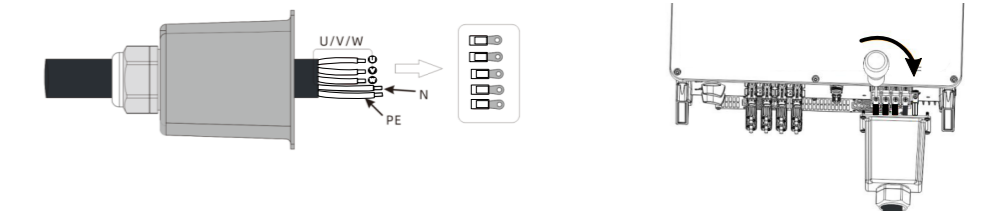
Mounting (30KW-60KW 3Ph)



AC Wire Assembly and Connection (30KW-60KW 3Ph)

Insert the grounding conductor into the OT terminal lug in the accessory pack and crimp the contact, ensure the insulation protection has been done properly.

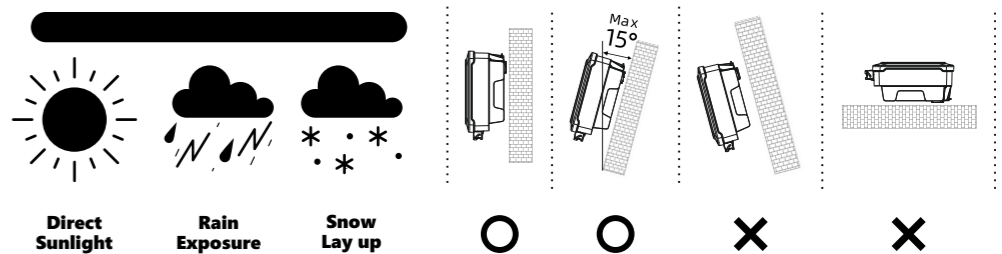
2. Insert PE, N, U, V and W cable into correspondent hole. And secure with cross Torque: 4.5-6Nm)



Installing

Installation Requirements

1. Please install the inverter(s) in places that can avoid inadvertent contact.
2. Please install the inverter on solid/smooth surfaces.
3. The inverter(s) should not be installed near inflammable or explosive objects.



Direct Sunlight

Rain Exposure

Snow Lay up

○

○

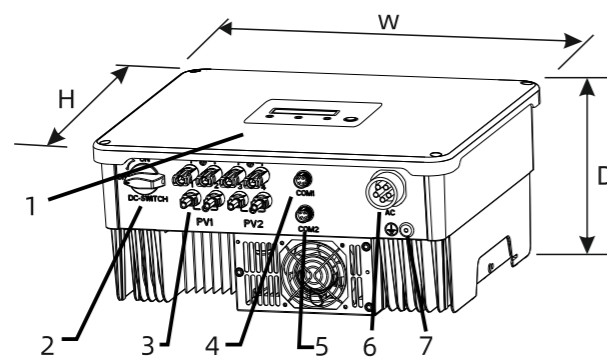
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4. ADITYA GT3 15-25KW 3Ph

Product Overview

1. LCD&LED or LED
2. DC switch
3. PV Terminal (s)
4. COM1: Wi-Fi / RS485 / GPRS Stick(optional)
5. COM2: Meter Terminal
6. AC Terminal
7. Second PE Terminal



Dimension:W×H×D=425×351×200mm