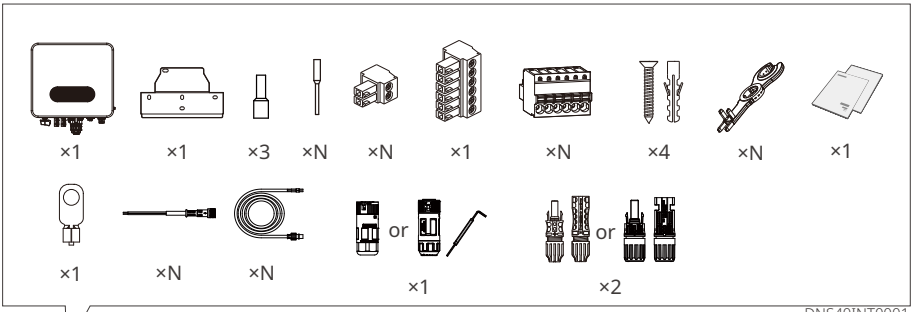
INSTALLATION MANUAL

Grid-Tied PV Inverter

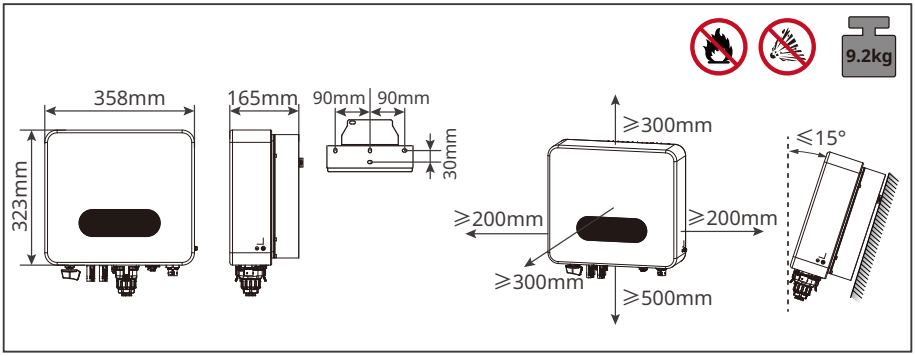
MACSI3000DAFCI | MACSI3600DAFCI
MACSI5000DAFCI | MACSI6000DAFCI



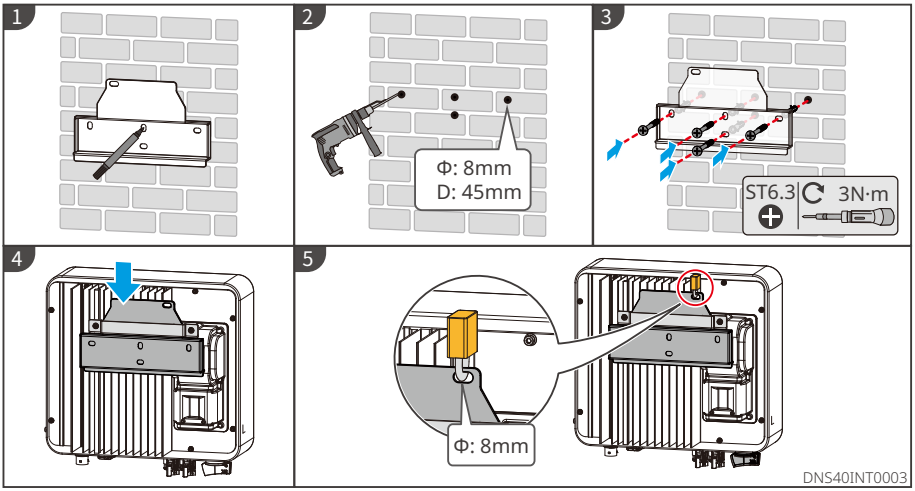


DNS40INT0001

N = Quantity depends on the inverter model.

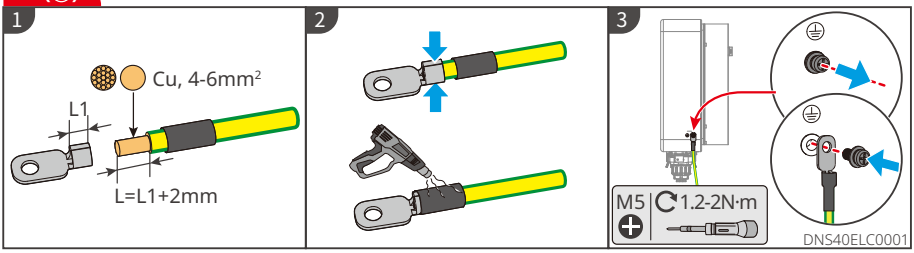


DNS40INT0002

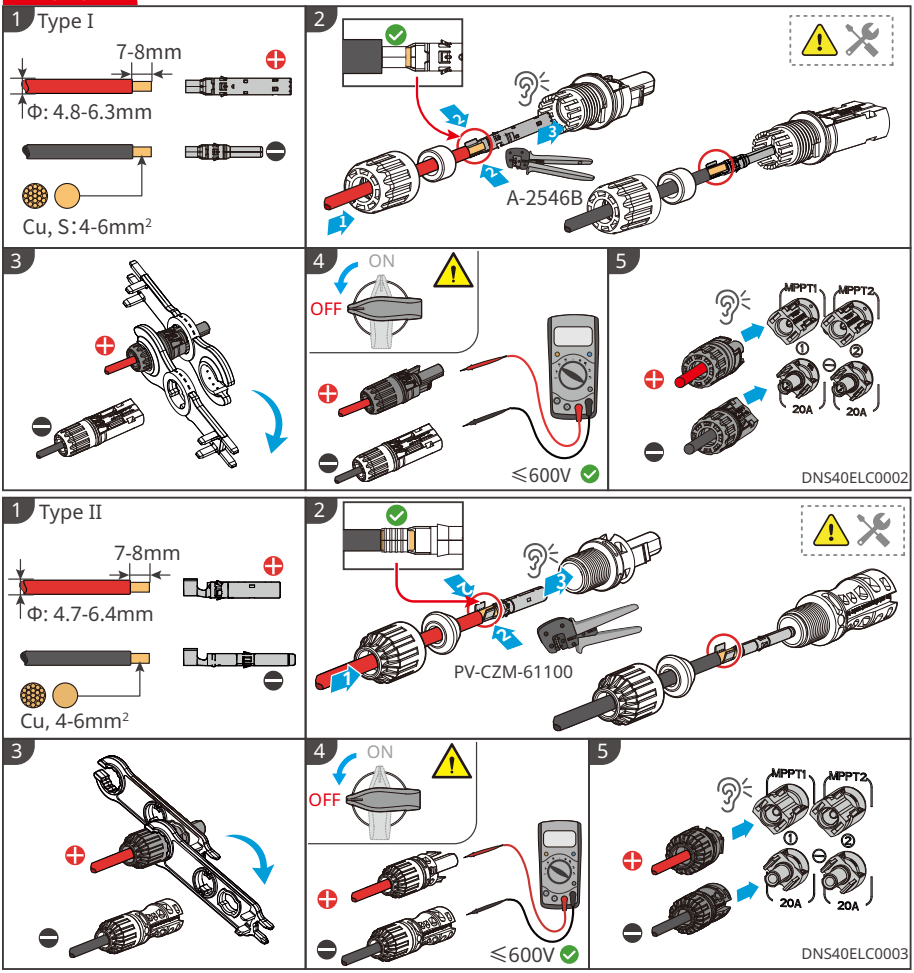


DNS40INT0003

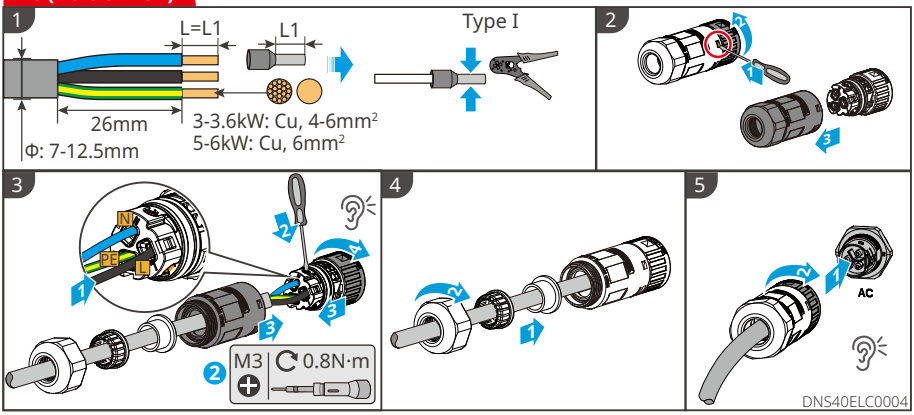
PE (⏚)

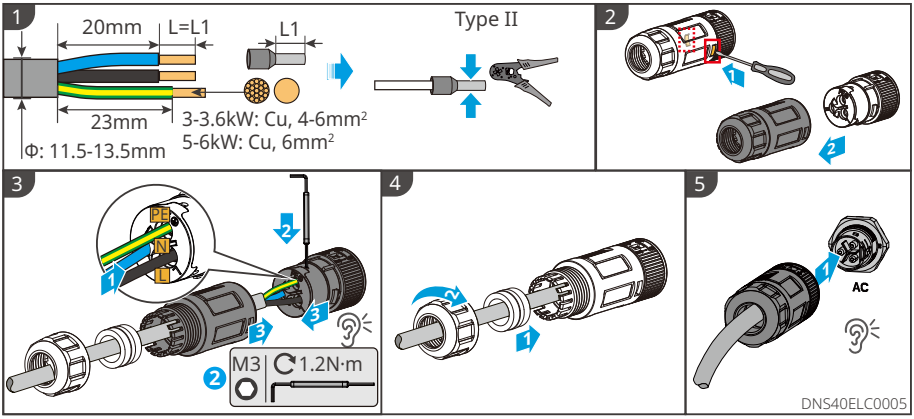

1
Cu, 4-6mm²
L1
L=L1+2mm
2
3
M5
1.2-2N·m
DNS40ELC0001

DC (PV)


1 Type I
7-8mm
Φ: 4.8-6.3mm
Cu, S:4-6mm²
2
A-2546B
3
4
ON
OFF
≤600V
5
MPPT1
MPPT2
20A
20A
DNS40ELC0002
1 Type II
7-8mm
Φ: 4.7-6.4mm
Cu, 4-6mm²
2
PV-CZM-61100
3
4
ON
OFF
≤600V
5
MPPT1
MPPT2
20A
20A
DNS40ELC0003

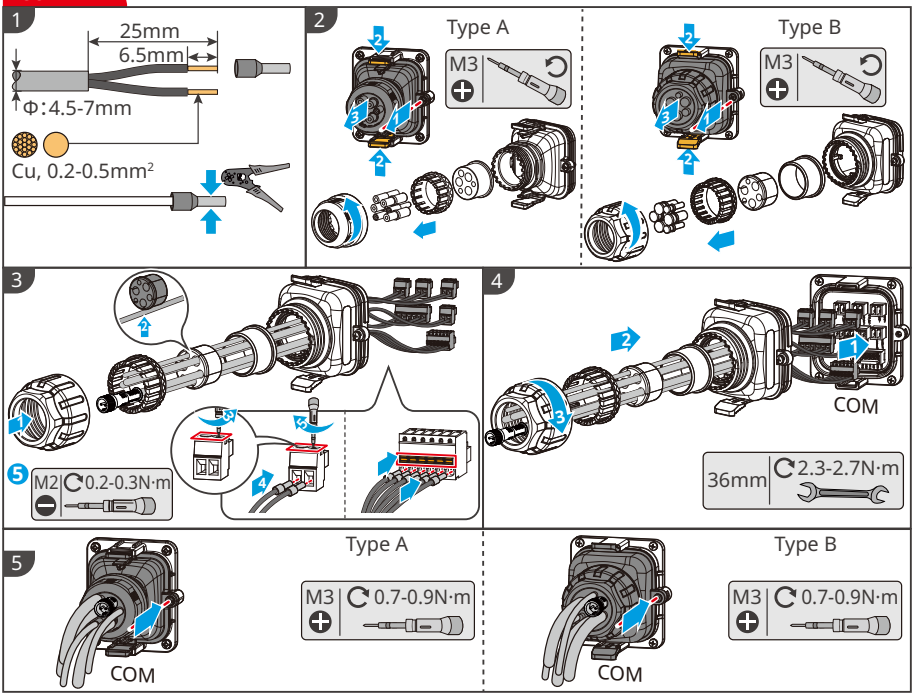
AC (AC OUTPUT)


1
L=L1
L1
26mm
Φ: 7-12.5mm
3-3.6kW: Cu, 4-6mm²
5-6kW: Cu, 6mm²
Type I
2
3
N
PE
L
M3
0.8N·m
4
5
AC
DNS40ELC0004

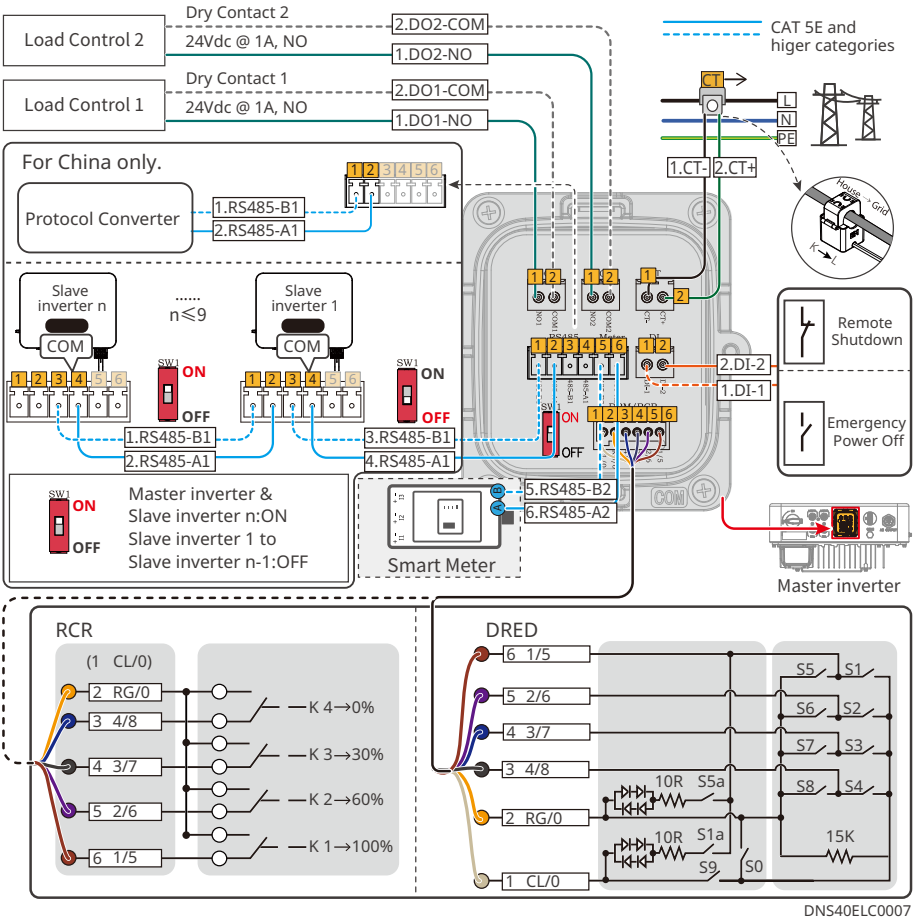

1
20mm
L=L1
L1
23mm
Φ: 11.5-13.5mm
3-3.6kW: Cu, 4-6mm²
5-6kW: Cu, 6mm²
Type II
2
3
PE
N
L
M3
1.2N·m
4
5
AC
DNS40ELC0005

Procedure

COM



DNS40ELC0006



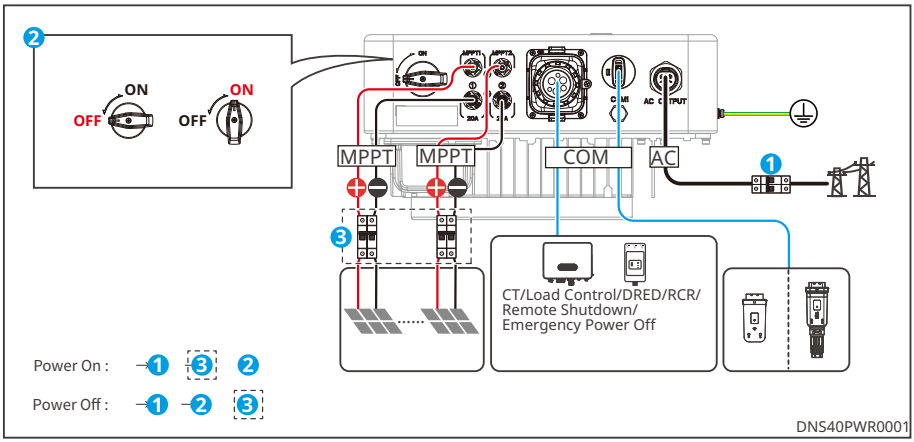
DNS40ELC0007

Indicators

Indicators	Indicator Status	Explanation
		ON = EQUIPMENT POWER ON
		OFF = EQUIPMENT POWER OFF
		ON = THE INVERTER IS FEEDING POWER
		OFF = THE INVERTER IS NOT FEEDING POWER
		SINGLE SLOW FLASH = SELF CHECK BEFORE CONNECTING TO THE GRID
		SINGLE FLASH = CONNECTING TO THE GRID
		ON = WIRELESS IS CONNECTED/ACTIVE
		BLINK 1 = WIRELESS SYSTEM IS RESETTING
		BLINK 2 = WIRELESS IS NOT CONNECTED TO ROUTER OR BASE STATION
		BLINK 4 = NOT CONNECTED TO MONITORING SERVER
		BLINK = RS485 IS CONNECTED
		OFF = WIRELESS IS RESTORING FACTORY DEFAULT SETTING
		ON = A FAULT HAS OCCURRED
		OFF = NOT FAULT

DNS40CON0001

3 EN Commissioning and Monitoring



DNS40PWR0001



The information in this quick installation guide is subject to change due to product updates or other reasons. This guide cannot replace the product labels or the safety precautions in the user manual unless otherwise specified. All descriptions here are for guidance only. All operations should be performed by trained and knowledgeable technicians who are familiar with local standards and safety regulations. Strictly follow the installation, operation, and configuration instructions in this guide and user manual. The manufacturer shall not be liable for equipment damage or personal injury if you do not follow the instructions.

Marley and Viridian are part of Marshalls. Viridian supply inverters to Marley.
Viridian version number: V1.1-2026-01-07

Tell me more

Marley

Call 01283 722588
Email info@marley.co.uk
Or visit www.marley.co.uk