



MANUALE ISTRUZIONI

- USO
- INSTALLAZIONE
- MANUTENZIONE



DLS 300C / 450C / 600C



ISTRUZIONI ORIGINALI

Cod.: 240.010.0004
Data: 30/09/2017
Rev.: 00

The Italian flag, consisting of three vertical stripes of green, white, and red, is positioned to the left of the section header.

ISTRUZIONI IMPORTANTI PER LA SICUREZZA

Questo manuale contiene importanti istruzioni per la sicurezza che devono essere seguite durante l'installazione e manutenzione dell'apparecchiatura. Gli operatori hanno l'obbligo di leggere questo manuale e di seguire scrupolosamente le indicazioni ivi riportate, poiché iSolar non risponde di danni arrecati a persone e/o cose, o subiti dall'apparecchiatura, qualora non vengano rispettate le condizioni di seguito descritte.

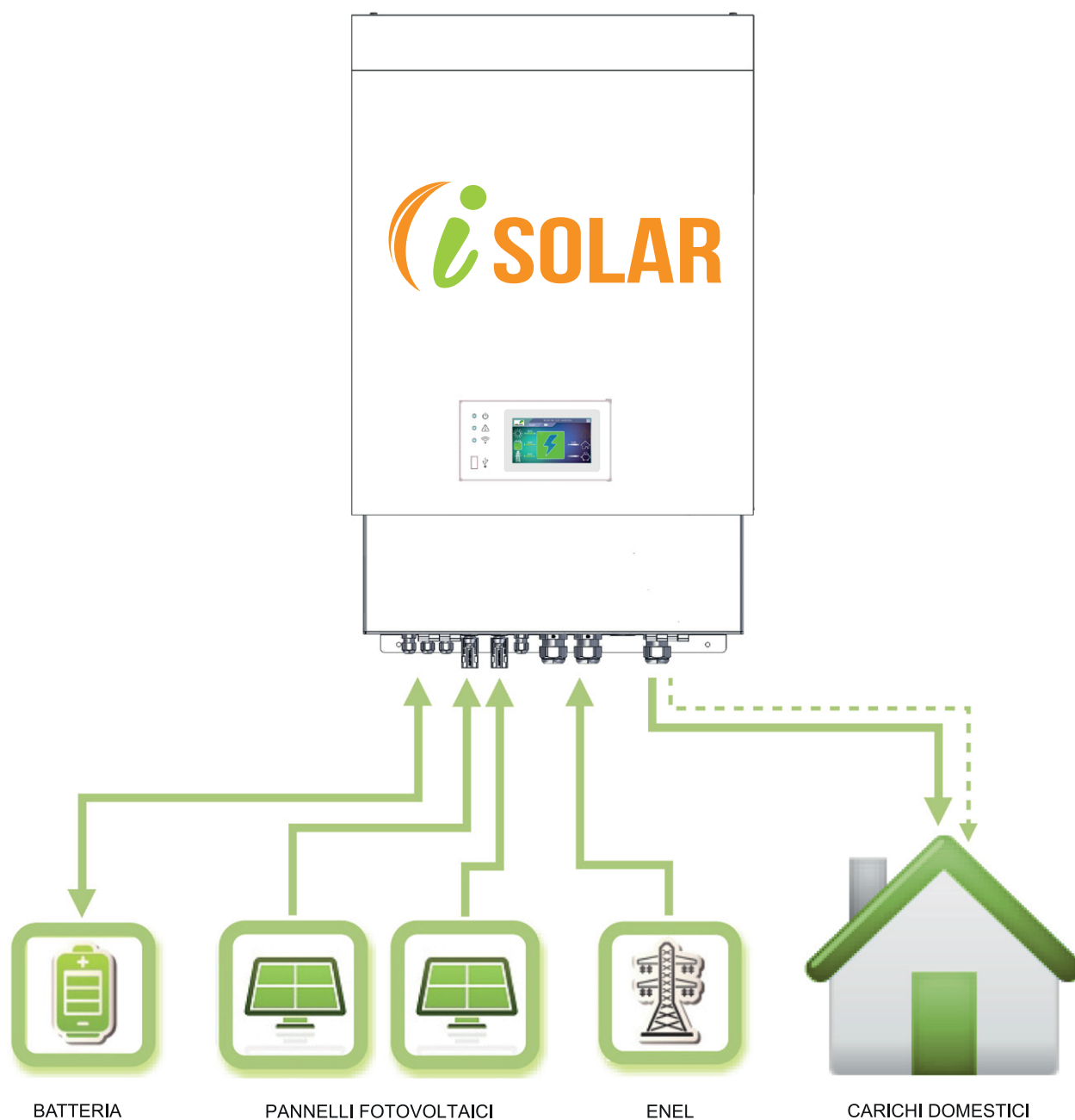


Fig. 00

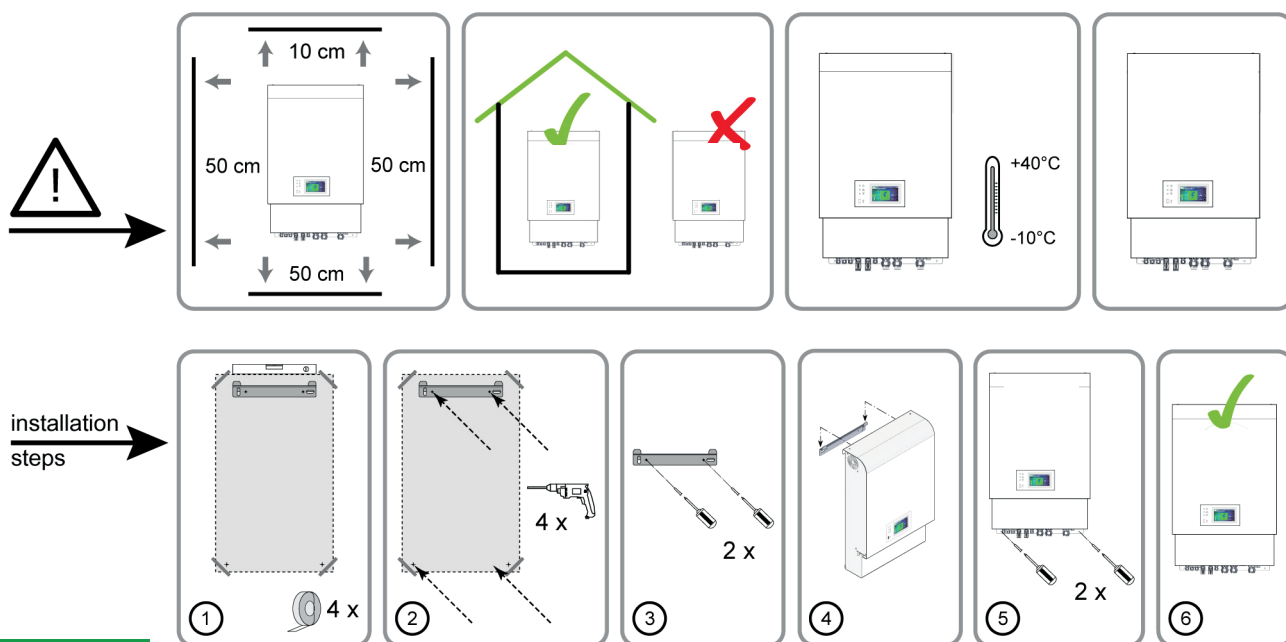
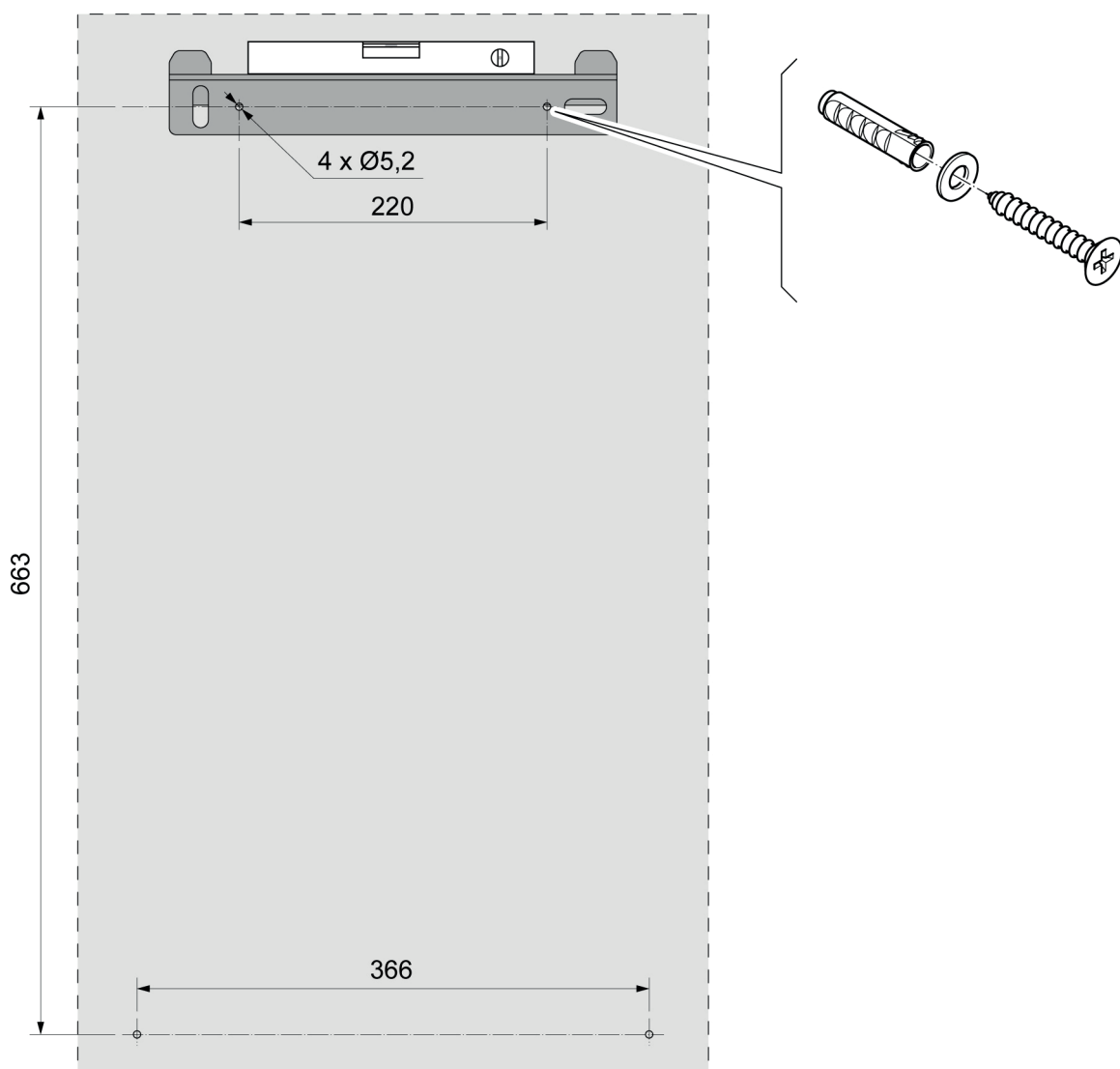
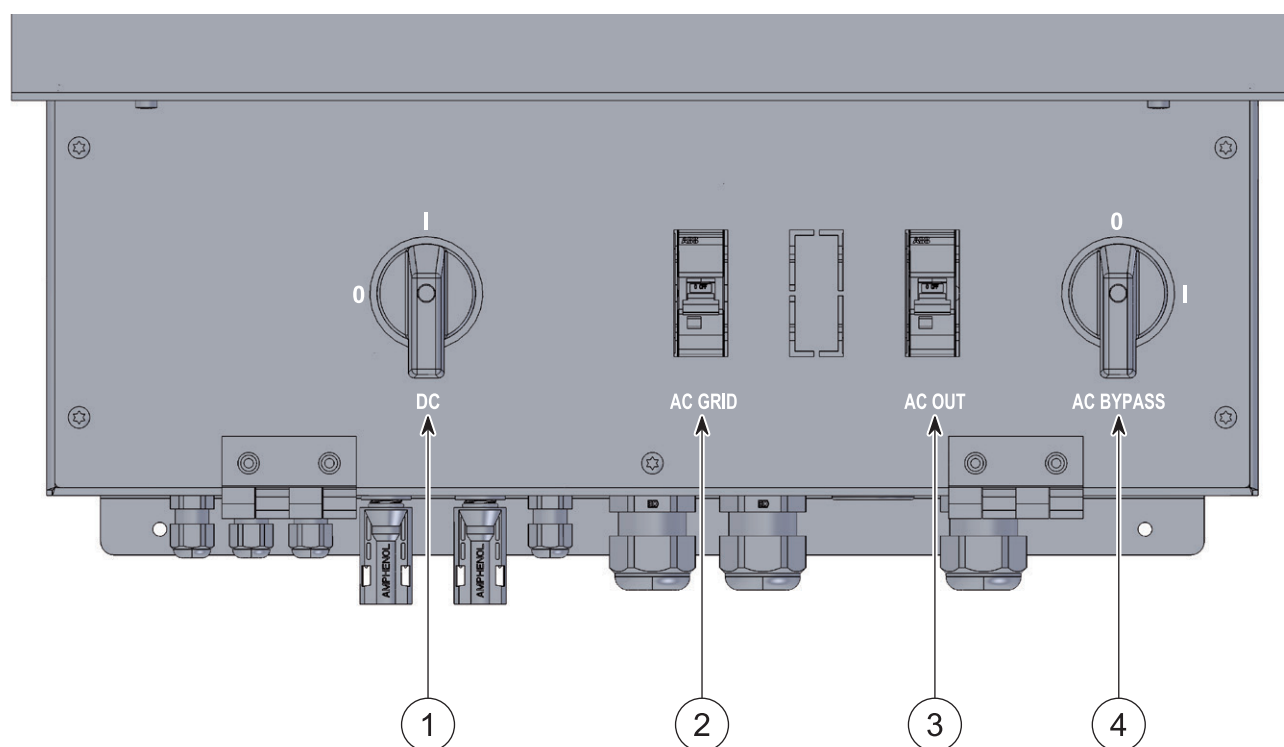
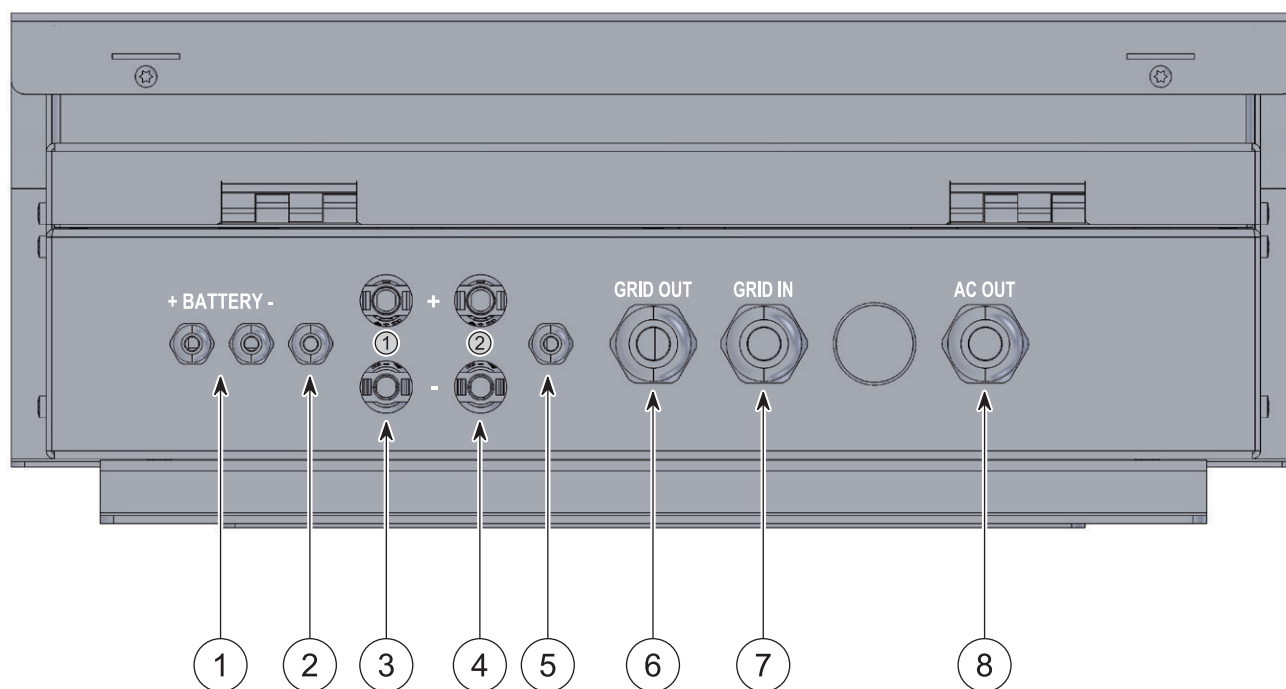


Fig. 01



- 1 - Interruttore sezionatore DC
- 2 - Interruttore di protezione AC GRID
- 3 - Interruttore di protezione AC OUT
- 4 - Interruttore AC BYPASS

Fig. 02



1 - Ingresso cavi batteria

2 - Predisposizione per sensore di temperatura batteria

3 - Connettori innesto rapido per ingresso pannelli fotovoltaici stringa PV1

4 - Connettori innesto rapido per ingresso pannelli fotovoltaici stringa PV2

5 - Predisposizione per collegamenti esterni (Vedi sezione "ACCESSORI")

6 - Uscita per collegamento alla rete pubblica AC

7 - Ingresso per collegamento alla rete pubblica AC

8 - Uscita per collegamento utenze domestiche

Fig. 03

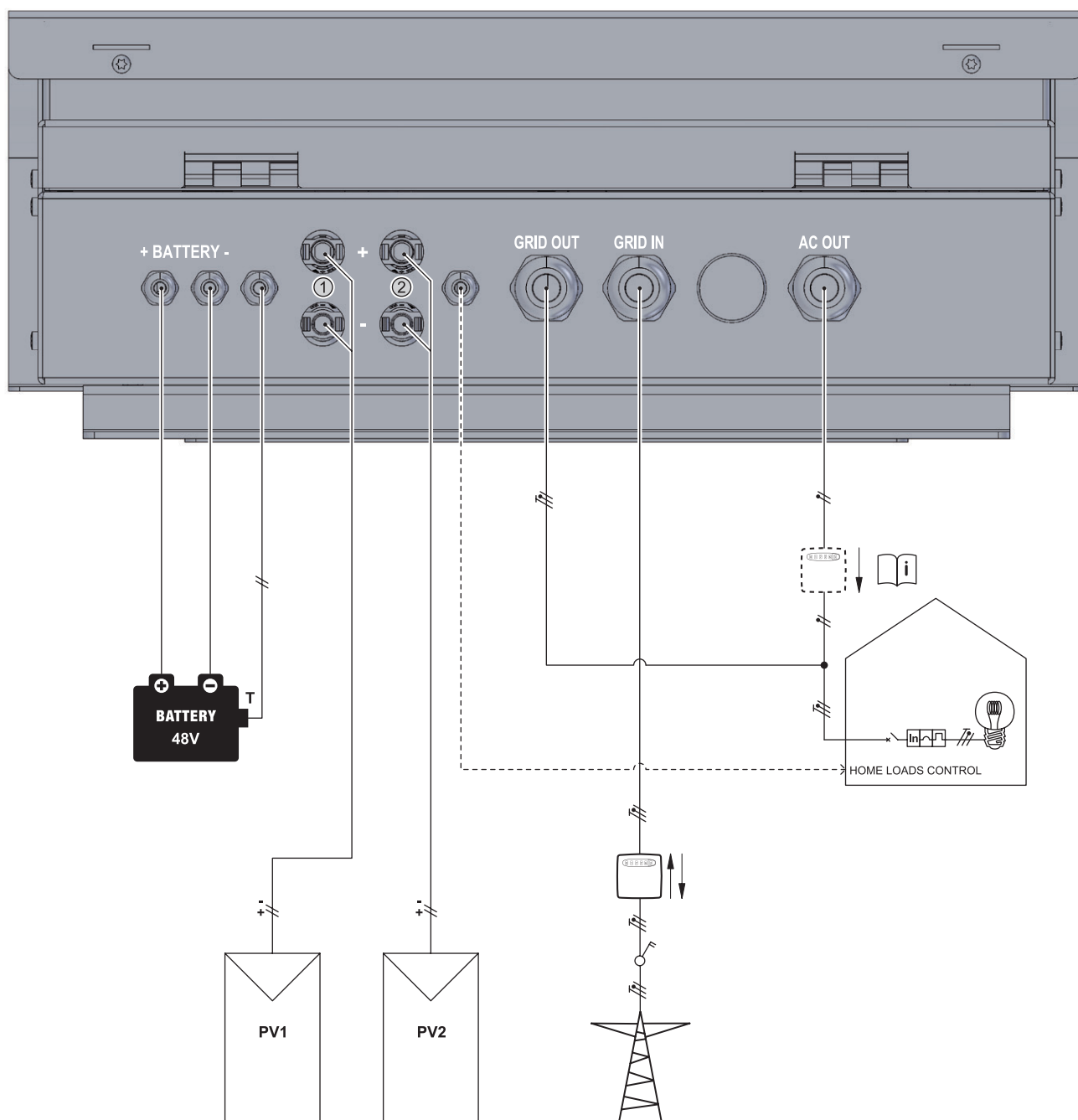


Fig. 04

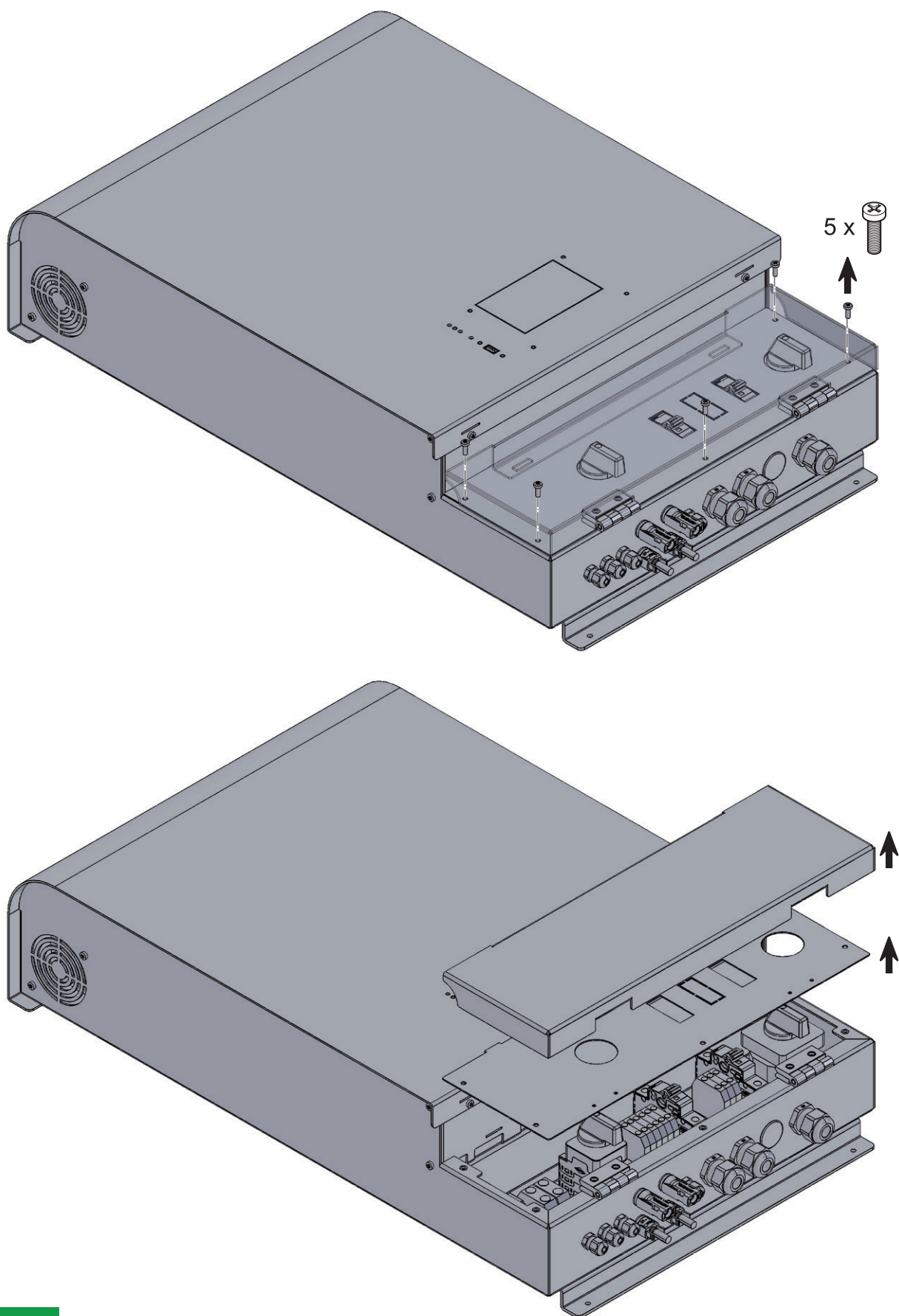


Fig. 05

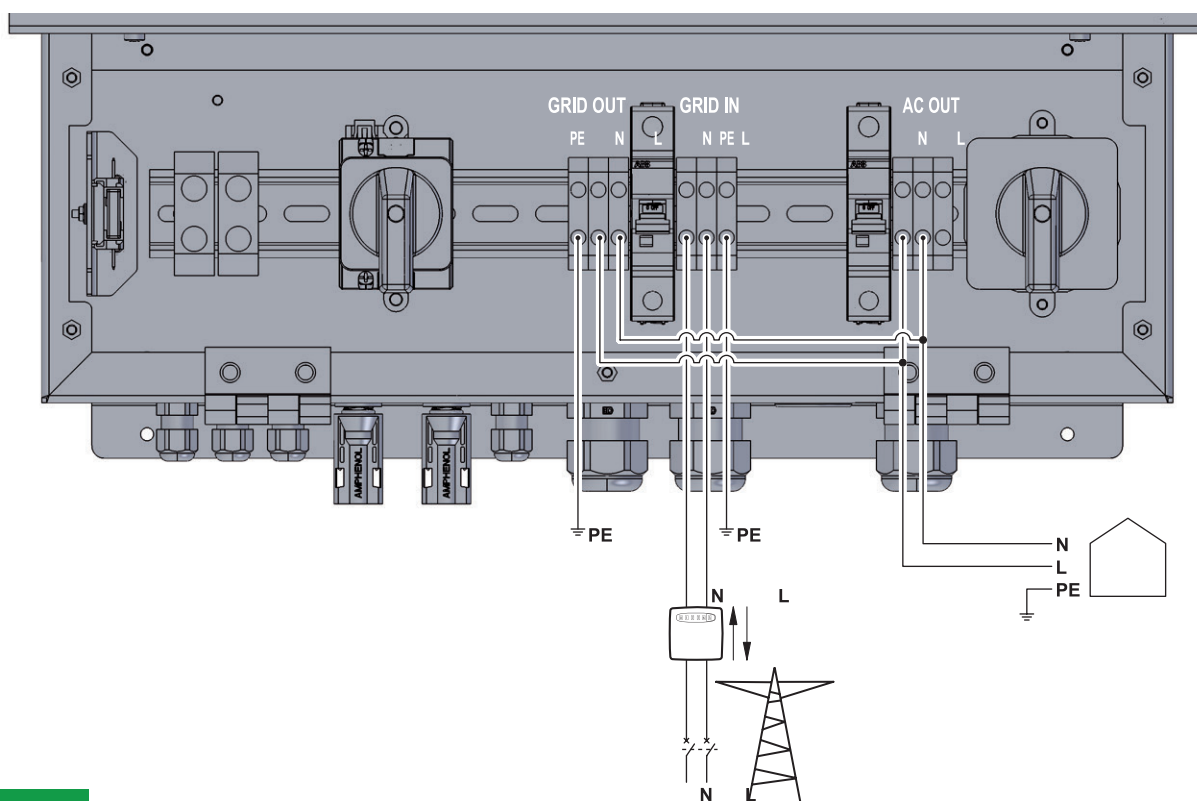
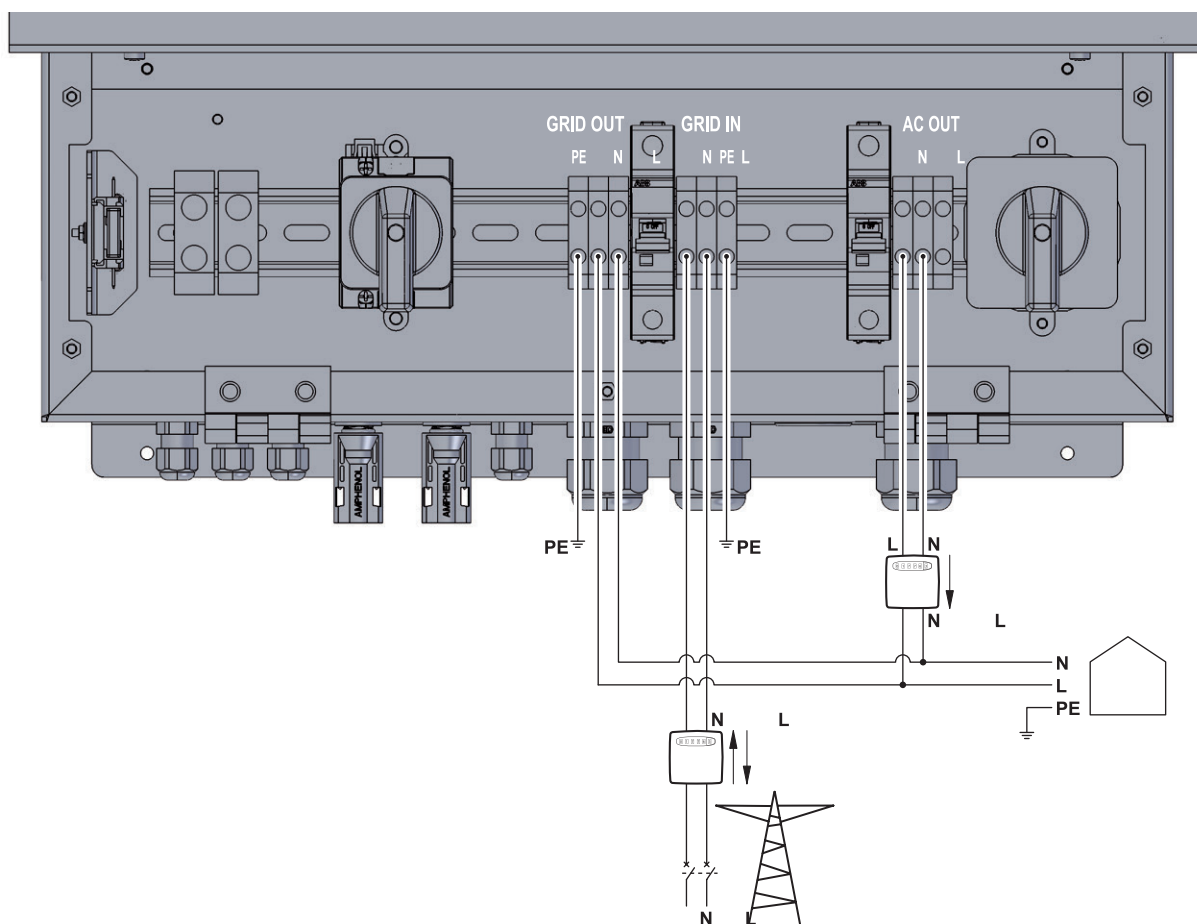


Fig. 06

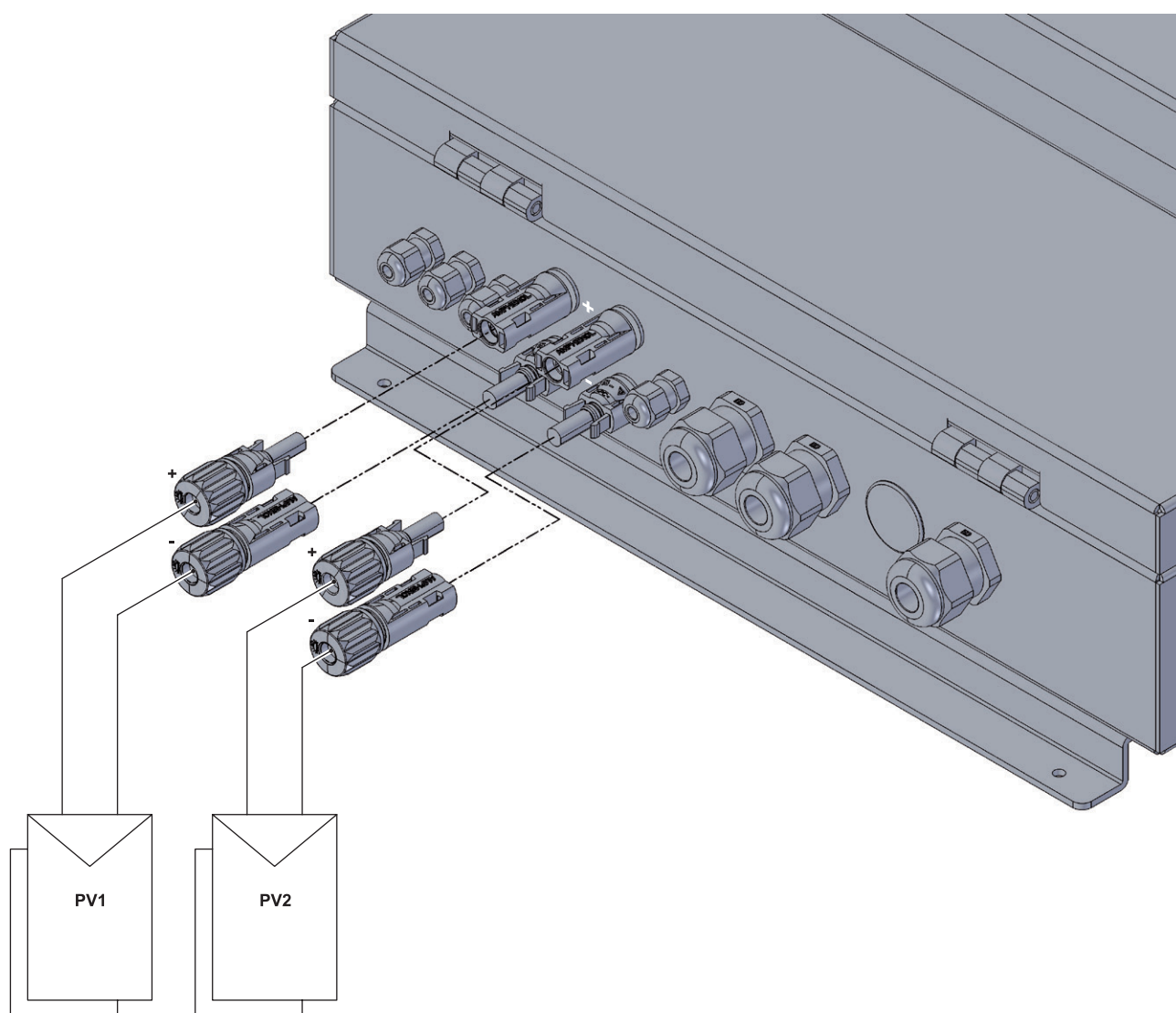


Fig. 07

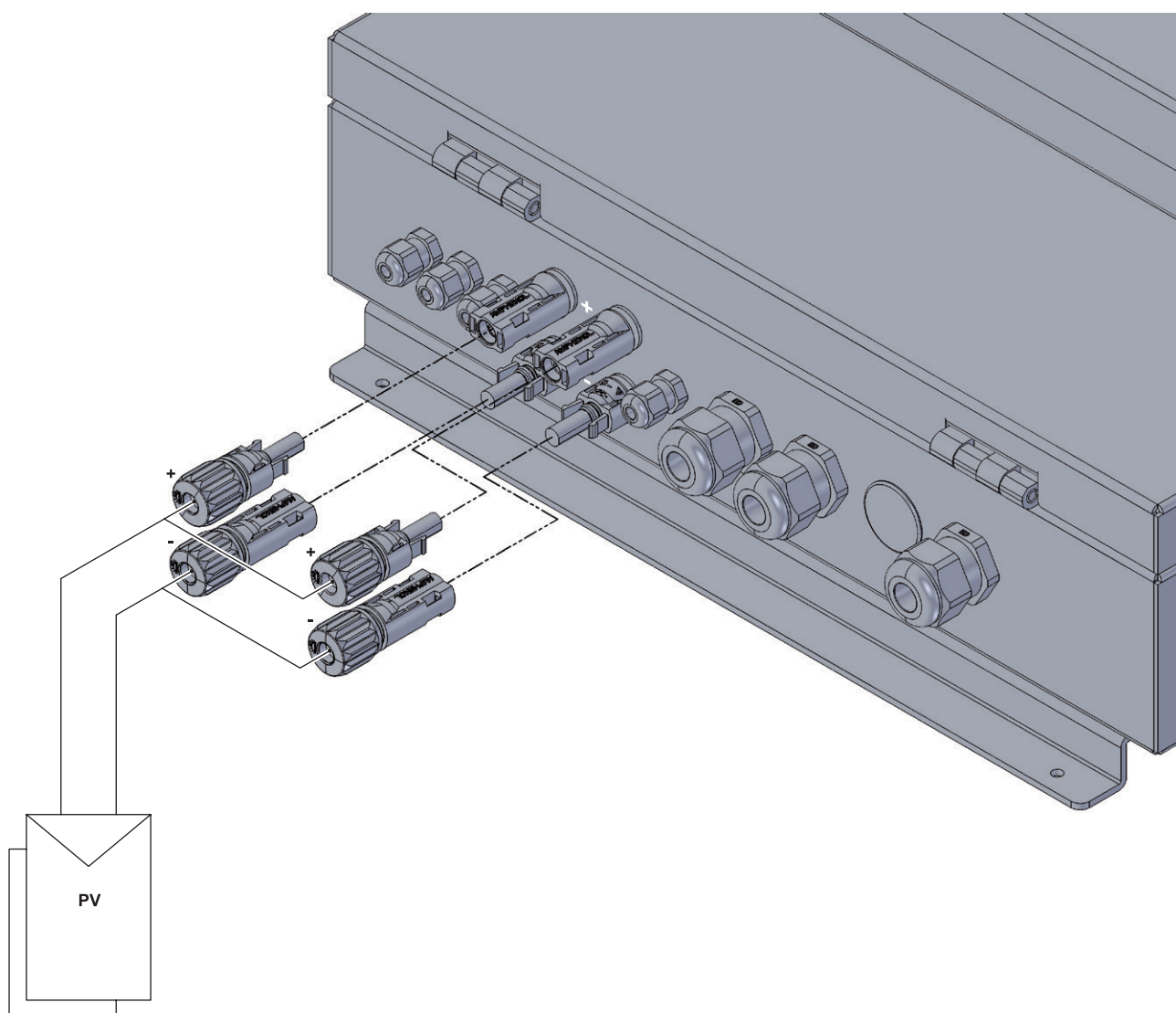
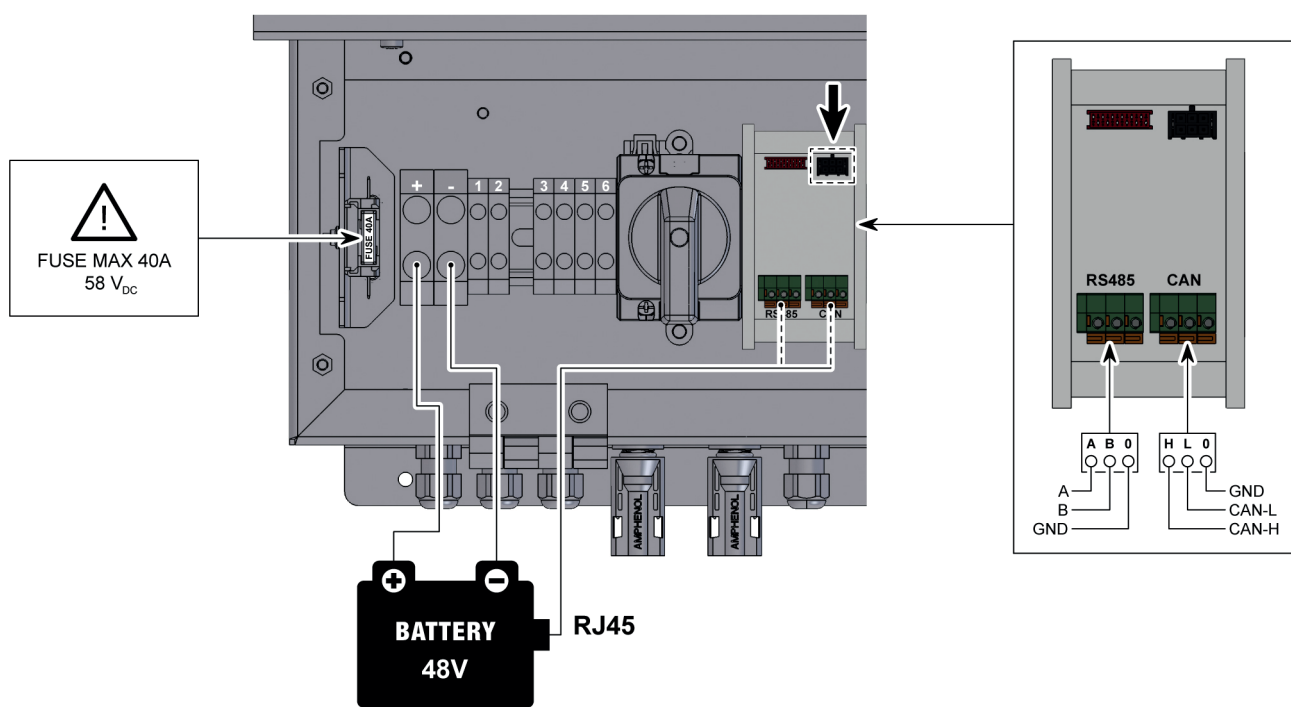
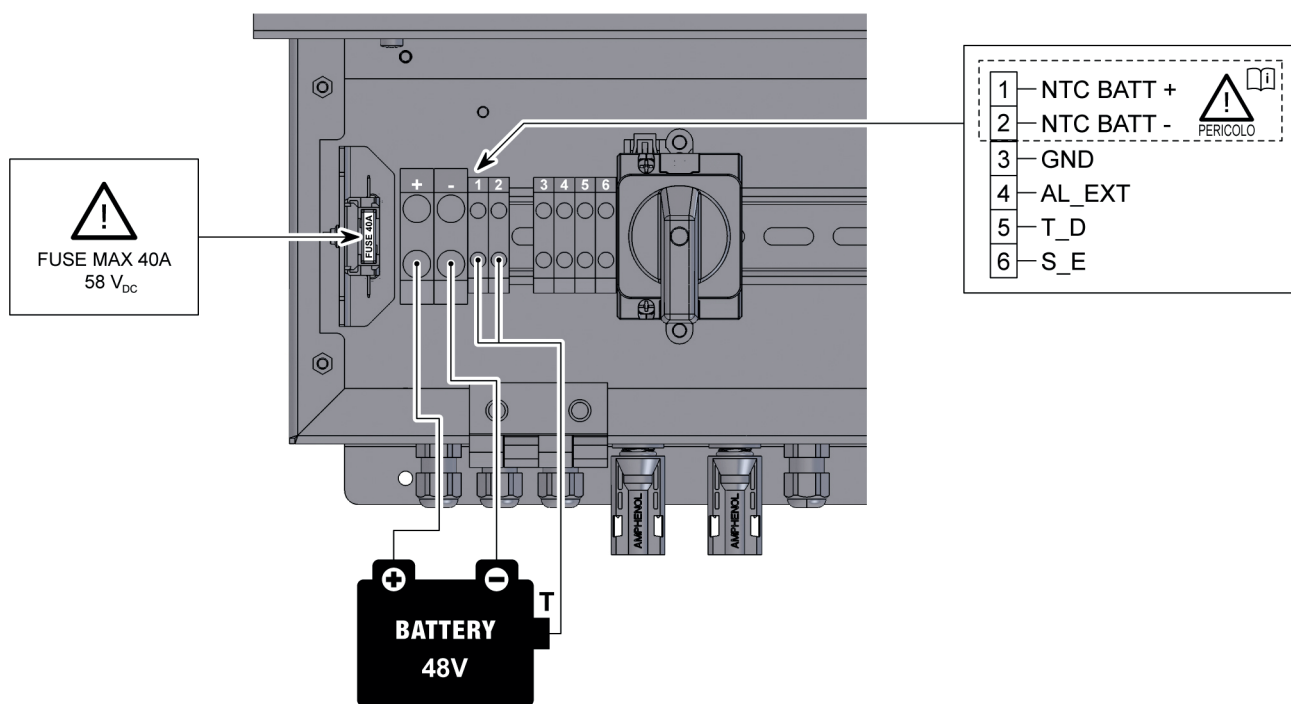


Fig. 08



Typical RS485 wiring

Typical CAN wiring

T568A		T568B	
RJ45 Pin#		RJ45 Pin#	
Green/White Tracer	1 — B	Orange/White Tracer	1 — B
Green	2 — A	Orange	2 — A
Orange/White Tracer	3 — GND	Green/White Tracer	3 — GND
Blue	4 — GND	Blue	4 — GND
Blue/White Tracer	5 — GND	Blue/White Tracer	5 — GND
Orange	6 — GND	Green	6 — GND
Brown/White Tracer	7 — GND	Brown/White Tracer	7 — GND
Brown	8 — GND	Brown	8 — GND

T568A		T568B	
RJ45 Pin#		RJ45 Pin#	
Green/White Tracer	1 — GND	Orange/White Tracer	1 — GND
Green	2 — GND	Orange	2 — GND
Orange/White Tracer	3 — GND	Green/White Tracer	3 — GND
Blue	4 — CAN-H	Blue	4 — CAN-H
Blue/White Tracer	5 — CAN-L	Blue/White Tracer	5 — CAN-L
Orange	6 — GND	Green	6 — GND
Brown/White Tracer	7 — GND	Brown/White Tracer	7 — GND
Brown	8 — GND	Brown	8 — GND

Fig. 09





iSOLAR		
Model: DLS 300C		
Serial No.		
---	V _{PV max}	600V
---	V _{PV MPP}	100-550V
---	I _{PV max}	2x10A
---	I _{SC PV max}	2x15A
---	V _{BAT nom}	48V
---	I _{BAT nom}	35A
~	V _{AC OUT nom}	230V
~	f _{AC OUT nom}	50Hz/60Hz
~	P _{AC OUT nom}	3000VA
~	I _{AC OUT nom}	13A
~	Cosφ	1 (adj ± 0.80)
~	V _{AC GRID nom}	230V
~	f _{AC GRID nom}	50Hz/60Hz
~	I _{AC GRID nom}	32A
	IP 21	CE
	Class I	10 min

iSOLAR		
Model: DLS 450C		
Serial No.		
---	V _{PV max}	600V
---	V _{PV MPP}	100-550V
---	I _{PV max}	2x15A
---	I _{SC PV max}	2x20A
---	V _{BAT nom}	48V
---	I _{BAT nom}	35A
~	V _{AC OUT nom}	230V
~	f _{AC OUT nom}	50Hz/60Hz
~	P _{AC OUT nom}	4500VA
~	I _{AC OUT nom}	19.6A
~	Cosφ	1 (adj ± 0.80)
~	V _{AC GRID nom}	230V
~	f _{AC GRID nom}	50Hz/60Hz
~	I _{AC GRID nom}	32A
	IP 21	CE
	Class I	10 min

iSOLAR		
Model: DLS 600C		
Serial No.		
---	V _{PV max}	600V
---	V _{PV MPP}	100-550V
---	I _{PV max}	2x20A
---	I _{SC PV max}	2x26A
---	V _{BAT nom}	48V
---	I _{BAT nom}	35A
~	V _{AC OUT nom}	230V
~	f _{AC OUT nom}	50Hz/60Hz
~	P _{AC OUT nom}	6000VA
~	I _{AC OUT nom}	26.1A
~	Cosφ	1 (adj ± 0.80)
~	V _{AC GRID nom}	230V
~	f _{AC GRID nom}	50Hz/60Hz
~	I _{AC GRID nom}	32A
	IP 21	CE
	Class I	10 min

Fig. 11