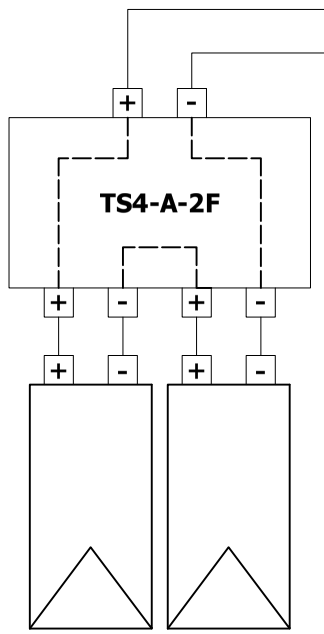
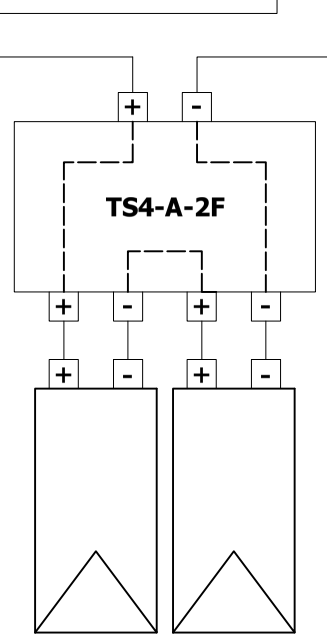
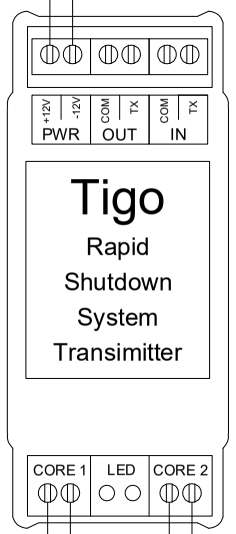
Esempio 1
Collegamento TIGO con stringa formata da serie di 4 moduli





-12 V
+12 V

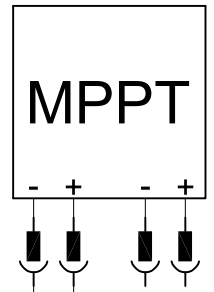


MAX 10 x CAVI (-) STRINGHE FV

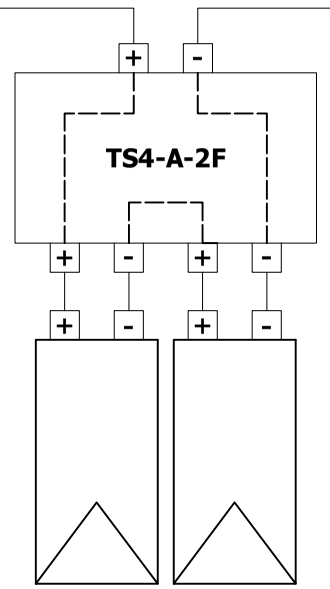
MPPT
WESTERN CO. WRM60 X SL

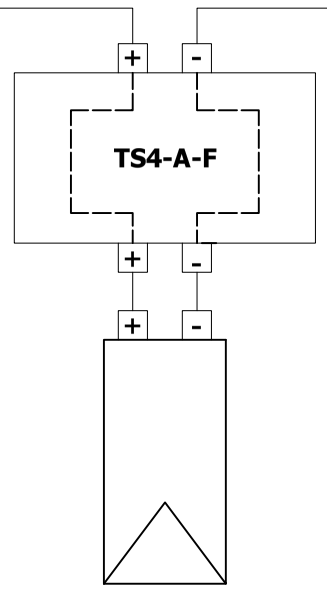
In: 180V DC **(MPPT)**
180V, 26A, 1800W **(Max 1ch)**
3600kW **(Max 2ch)**

Out: 48V DC
Battery range: 36 ÷ 64 V, 60A



Esempio 2
Collegamento TIGO con stringa formata da serie di 3 moduli



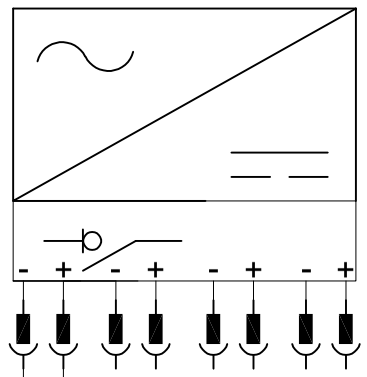


MAX 10 x CAVI (-) STRINGHE FV

INVERTER
WESTERN CO. Leonardo Off-Grid
4kW/5000/48 GE Py inverters

In: 53,8V - 180V DC **(MPPT)**
180V, 13A, 900W **(Max 1ch)**
4,60kW **(Max 4ch)**

Out: 230V AC
21,7A, 5 Kva, cosφ 1



Politecnico di Torino - Laurea Magistrale in Ingegneria Elettrica - A.A. 2024/2025		
Redatto da	S325095	Declementi Luca
	S312925	Franzolin Luca

Progetto di impianto elettrico per ampliamento "Laboratorio PVZEN"

Corso Duca degli Abruzzi, 24, 10129 Torino, ITALIA

Schema di collegamento sistema TIGO

Tav. 4