

ENERGY METER GUIDE

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04.1 DDSU666 Wiring connections (Single Phase)

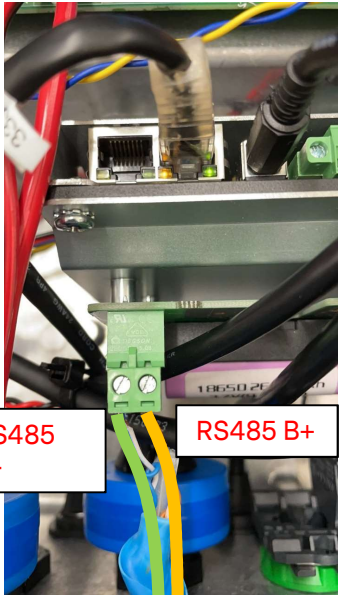
05. DTSU666 Wiring connections

05.1 DTSU666 Wiring connections (Three Phase)

05.2 DTSU666 CT Setting Configuration

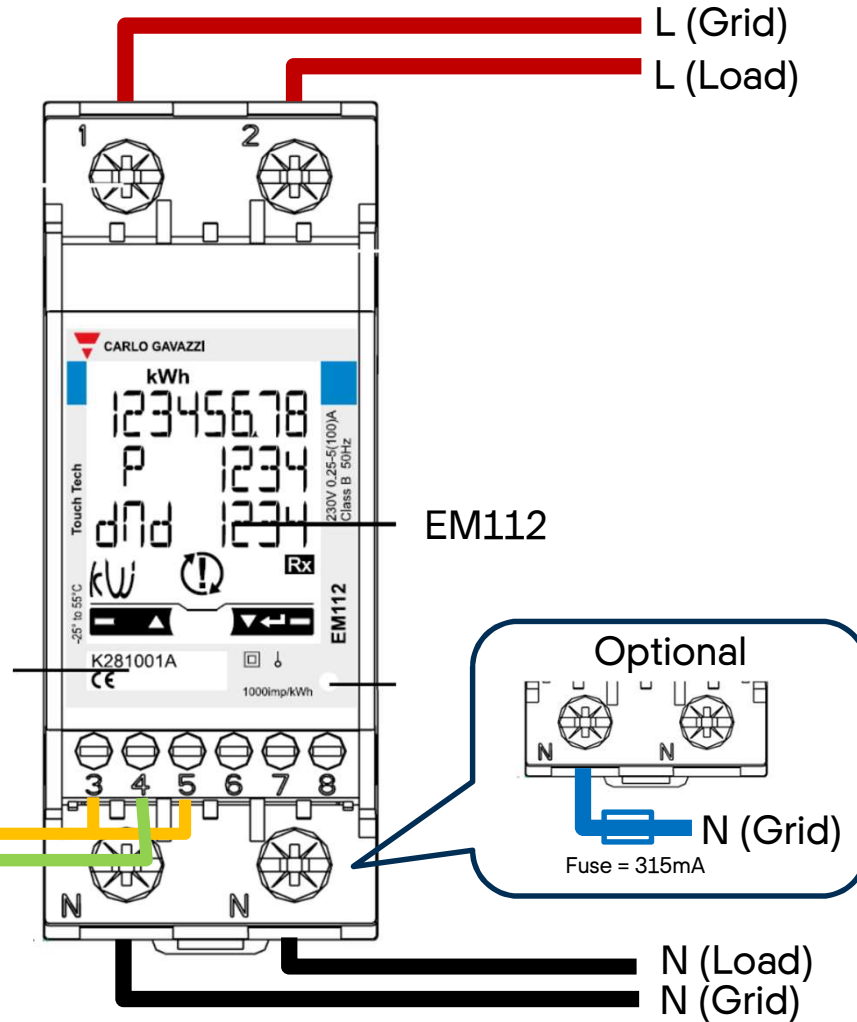
01. EM112 Wiring Connection

EMS board inside PCS (Hybrid Inverter)



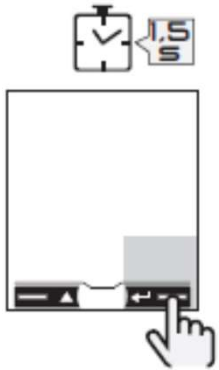
RS485
A-

RS485 B+

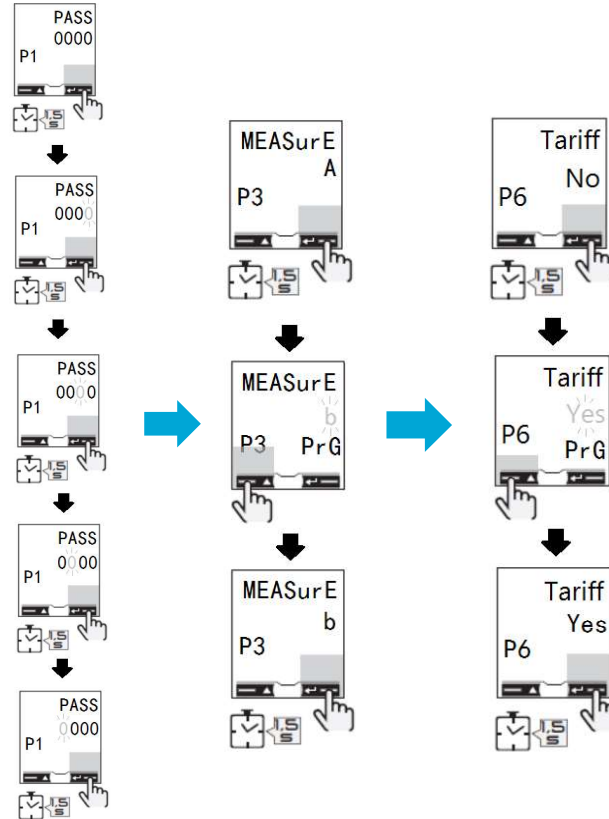


01.1 EM112 Settings Configuration

To enter programming mode



Steps to change parameters

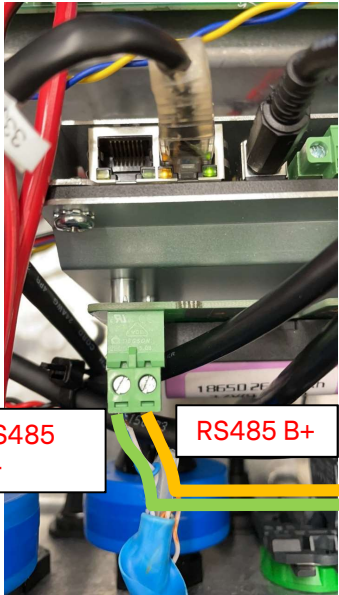


PARAMETERS	CODE	Default	New SETTINGS
PASS	P1	0000	0000
nPASS	P2	0000	0000
MEASurE	P3	A	b
P int	P4	1	1
Mode	P5	Full	Full
Tariff	P6	No	Yes
Home Address (S1 option)	P7	0	0
bAud (S1)	P10	1	1
ParltY (S1)	P11	9.6	9.6
RESET	P12	No	No
RESET	P13	No	No
End		Exit	Exit

Demo: <https://www.youtube.com/watch?v=wm-aX0imqTc>

02.1 EM24 Wiring connections (Three Phase)

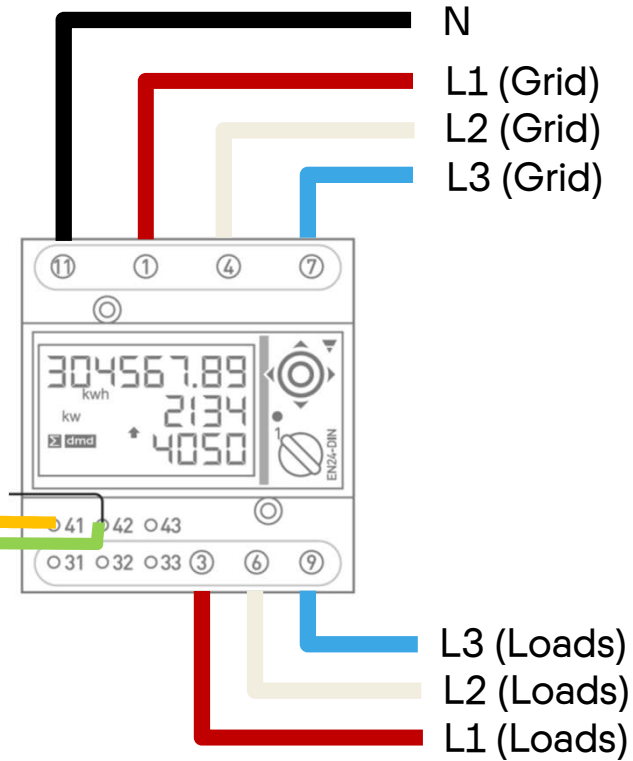
EMS board inside PCS (Hybrid Inverter)



RS485 A-

RS485 B+

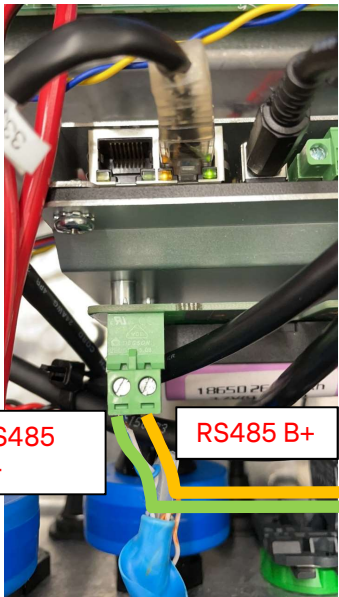
OUT connector board inside PCS (Hybrid Inverter)



02.2 EM24 Wiring connections (Single Phase)

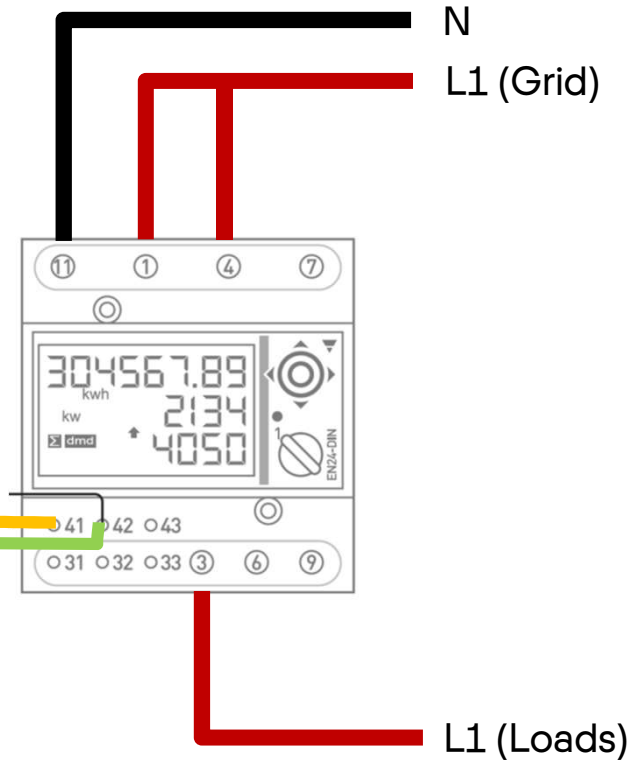


EMS board inside PCS (Hybrid Inverter)



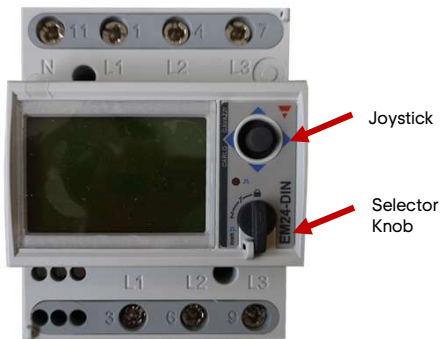
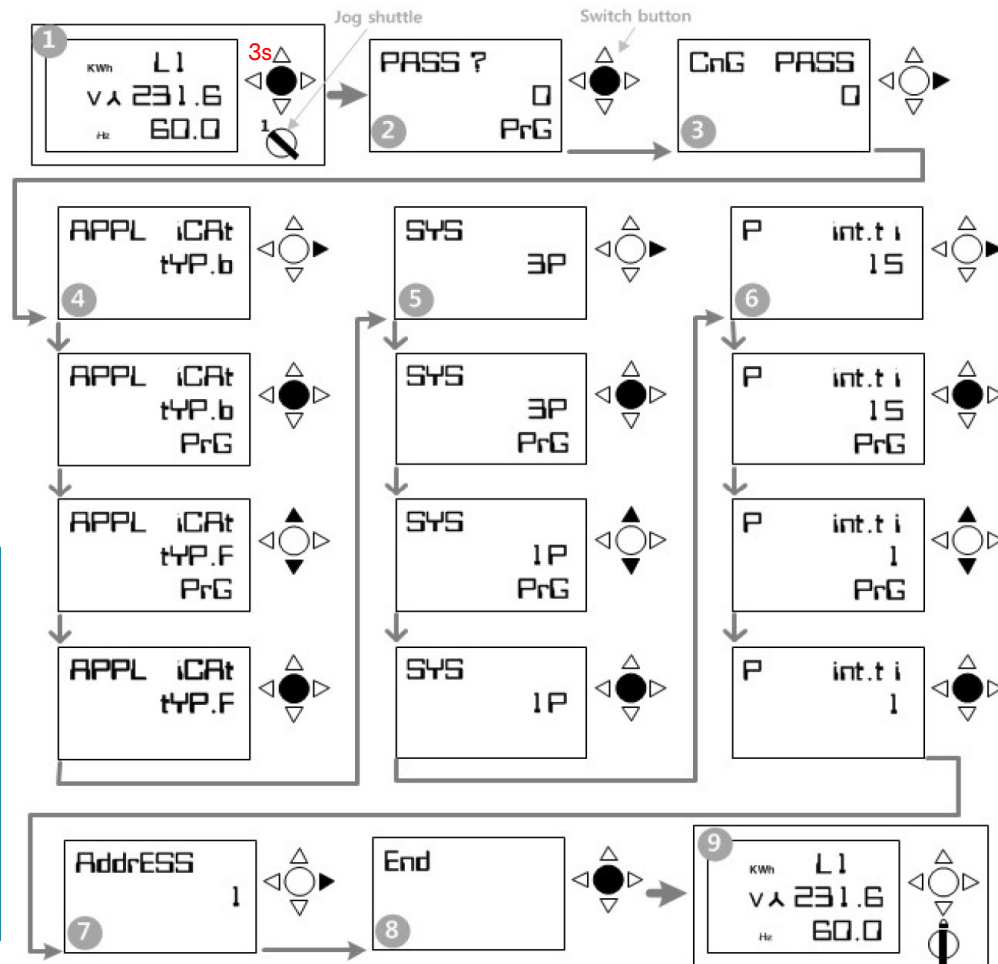
RS485 A-

RS485 B+






02.3 EM24 Settings configuration

PARAMETERS	CODE	Default	New SETTINGS
Password	Pass	0000	0000
Application type	APPLICAt	b	F
Page selection	Selector 1;2;3	1;28;31	1;28;31
System	SyS	3P.n	3P.n, 2 or 1
Power integration time	P int.ti	15	1
Digital input 1	diG in 1	Sync	Sync
Digital Input 2	diG in 2	Sync	Sync
Digital Input 3	diG in 3	Sync	Sync
Address	AddrESS	1	1
Reset of all counters (PW 1357)	Ene t.rEs	No	No
Exit and save	End		

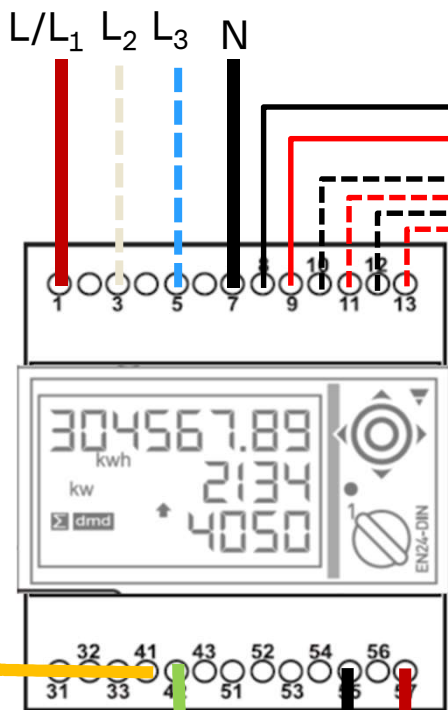
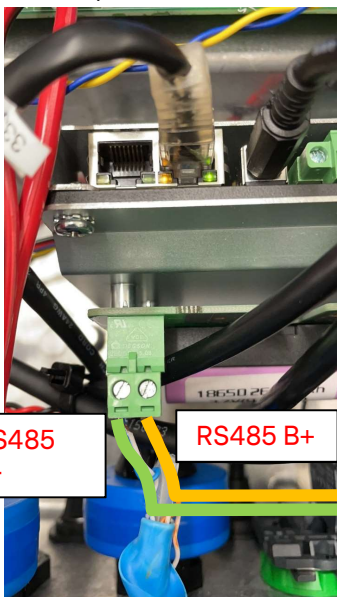


Legend

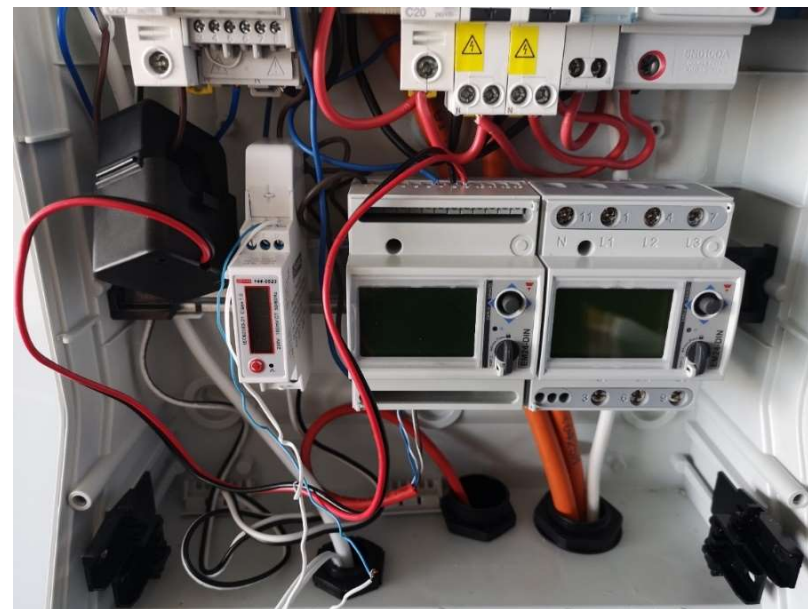
-  Press & hold for 3 seconds
-  Press once
-  Push up, down, left or right

03. EM24 CT wiring connections

EMS board inside PCS (Hybrid Inverter)



CT5x (24mm²) – 100A*
CT6x (36mm²) – 200A*



*higher rating is available upon request

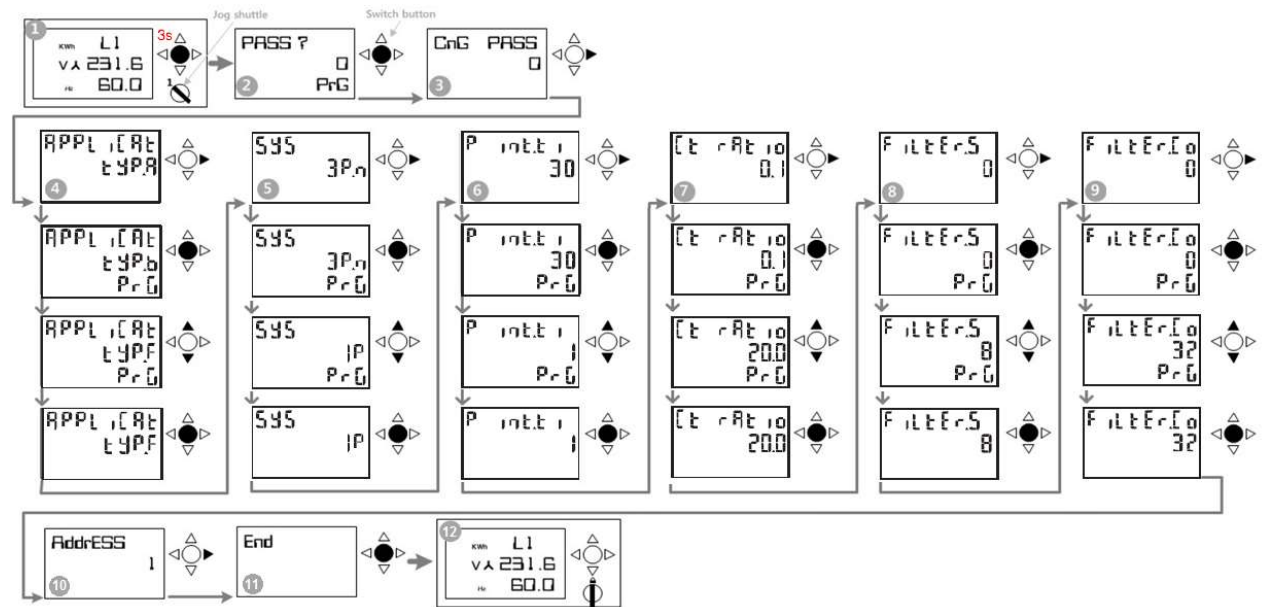
03.1 EM24 CT Setting Configuration



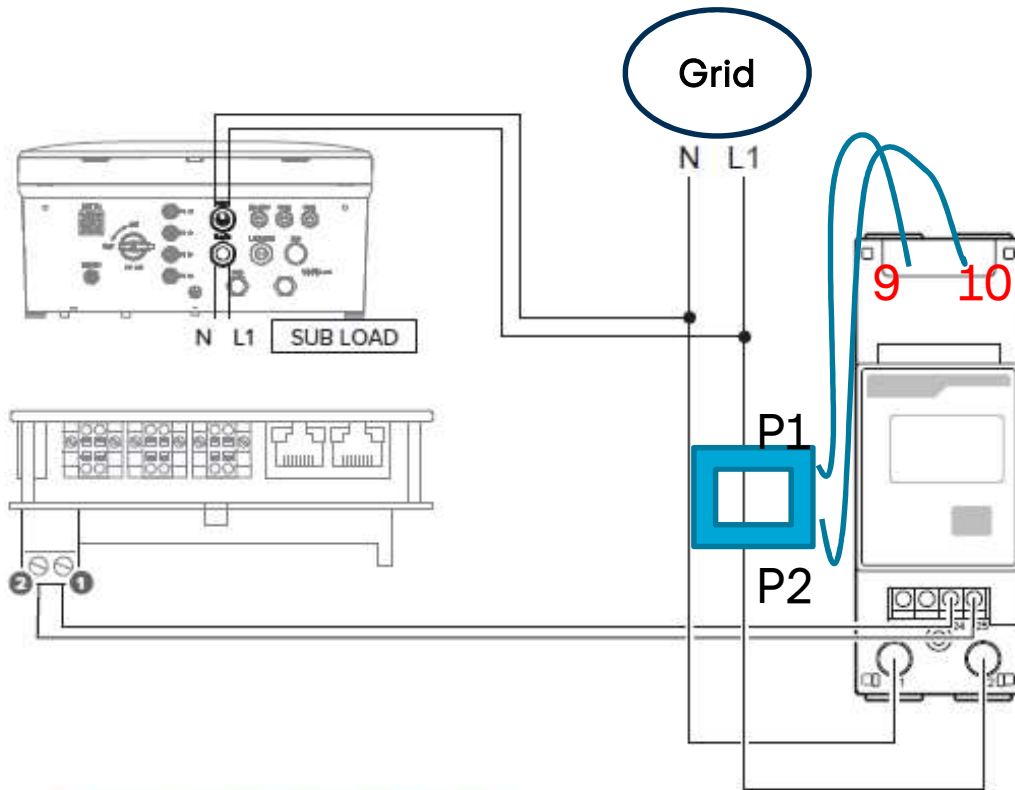
PARAMETERS	CODE	Default	New SETTINGS
Password	Pass	0000	0000
Application type	APPLICAt	b	F
Page selection	Selector 1;2;3	1;28;31	1;28;31
System	SyS	3P.n	3P.n, 2 or 1
Voltage transformer ratio	Ut rAtio	1	1
Current transformer ratio	Ct rAtio	1	20 (CT5X100A)
Power integration time	P int.ti	15	1
Digital input 1	diG in 1	Sync	Sync
Digital Input 2	diG in 2	Sync	Sync
Digital Input 3	diG in 3	Sync	Sync
Digital filter (%)	FiLtErS	2	8
Digital filter coefficient	FiLtEr.Co	2	32
Address	AddrESS	1	1
Reset of all counters (PW 1357)	Ene t.rEs	No	No
Exit and save	End		

Based on CT version 5X - 100A rating
(Primary : 100A, Secondary : 5A)

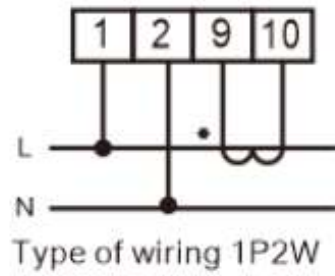
Ex) CT ratio = Primary / Secondary, 100A/5A = 20



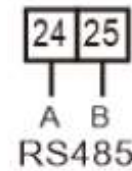
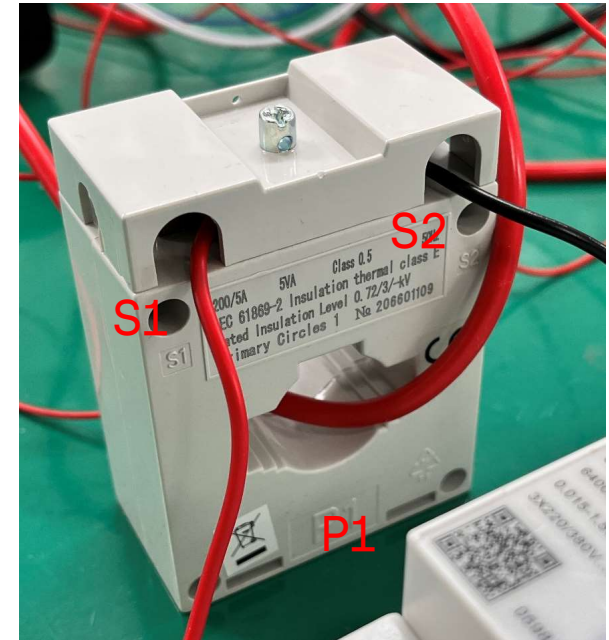
04. DDSU666 Wiring connections



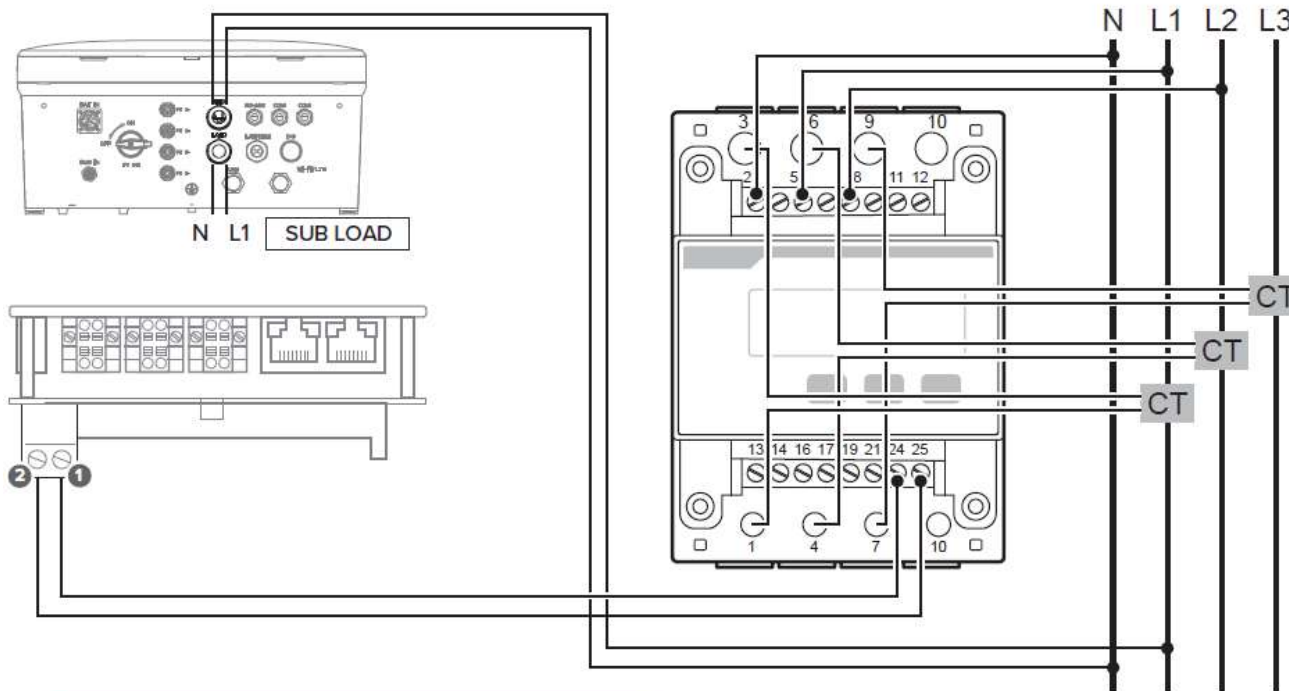
Q.VOLT(EMS port)	Energy Meter
1: RS485_NEG	25: B+
2: RS485_POS	24: A-



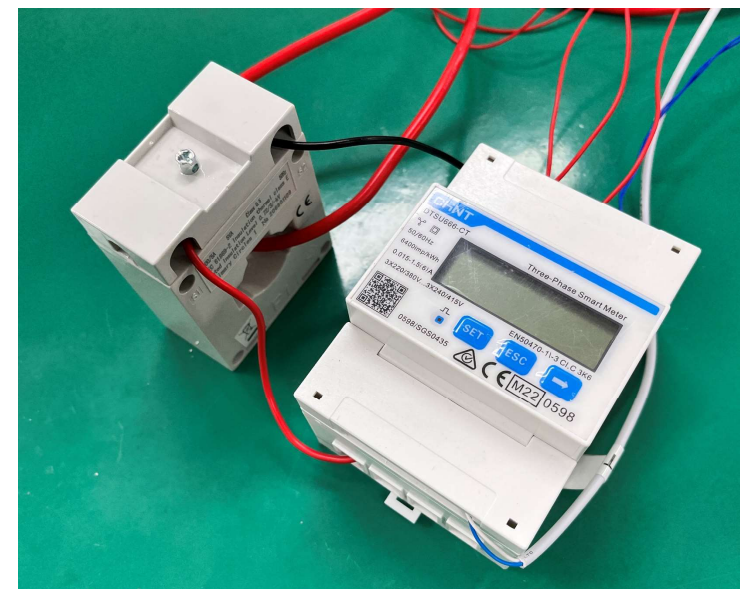
CT : BH-0.66I
ratio - 200/5A



05. DTSU666 Wiring connections



CT : BH-0.66I
ratio - 200/5A



Q.VOLT(EMS port)	Energy Meter
1: RS485_NEG	25: B+
2: RS485_POS	24: A-

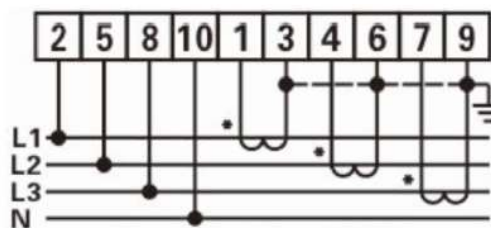


Figure 12 Three phase four wire: Connection through current transformers

05.1 DTSU666 CT Setting Configuration



Installer should set up the CT Ratio. The value is 40.

