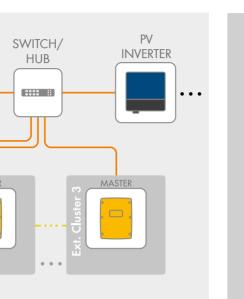


dge **DigIn-** and **BatVtg-** on master of the main cluster.



Installation - Circuitry Overview **MULTICLUSTER-BOX 12.3-20**

COMMUNICATION PRINCIPLE SUNNY SMA PV SWITCH/ PORTAL DATA MANAGER M INVERTER ROUTER HUB MC BOX with GRID-CONNECT-BOX



International SMA Service Line 00800 SMA SERVICE (+800 762 7378423)

Application

Sunny Island

Generator

Loads

MC-BOX-12-3-20_IAA-en-17 | Version 1.7

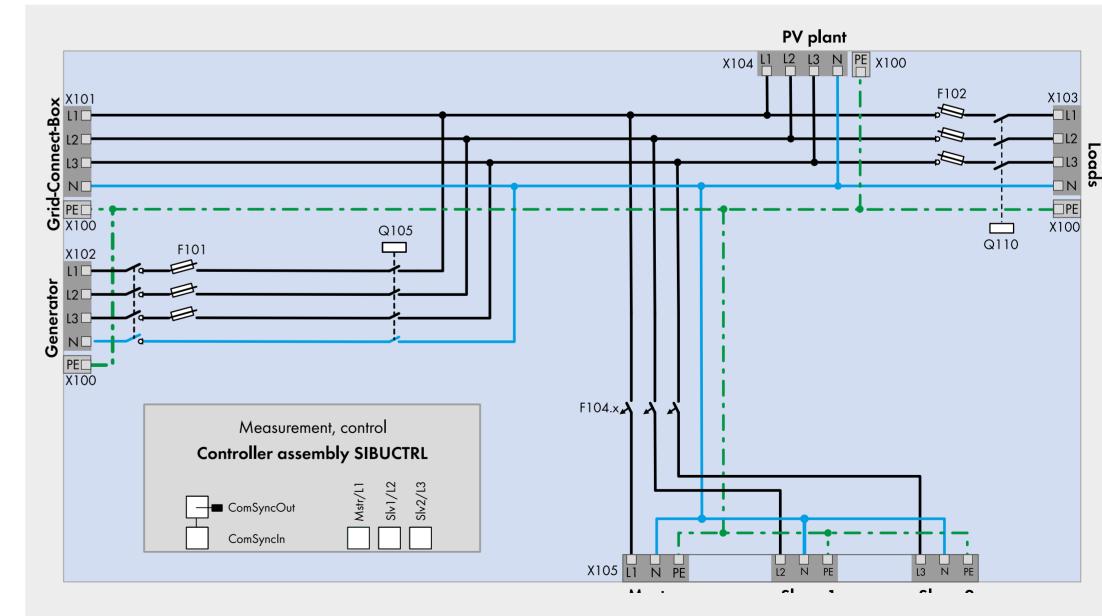
ENGLISH

SCHEMATIC DIAGRAM FOR MULTICLUSTER-BOX

SMA Solar Technology AG

SMA Online Service Center:

www.SMA-Service.com



Supply line from

LEGEND

Fuse

F101

F102

F104.x

Fuse type

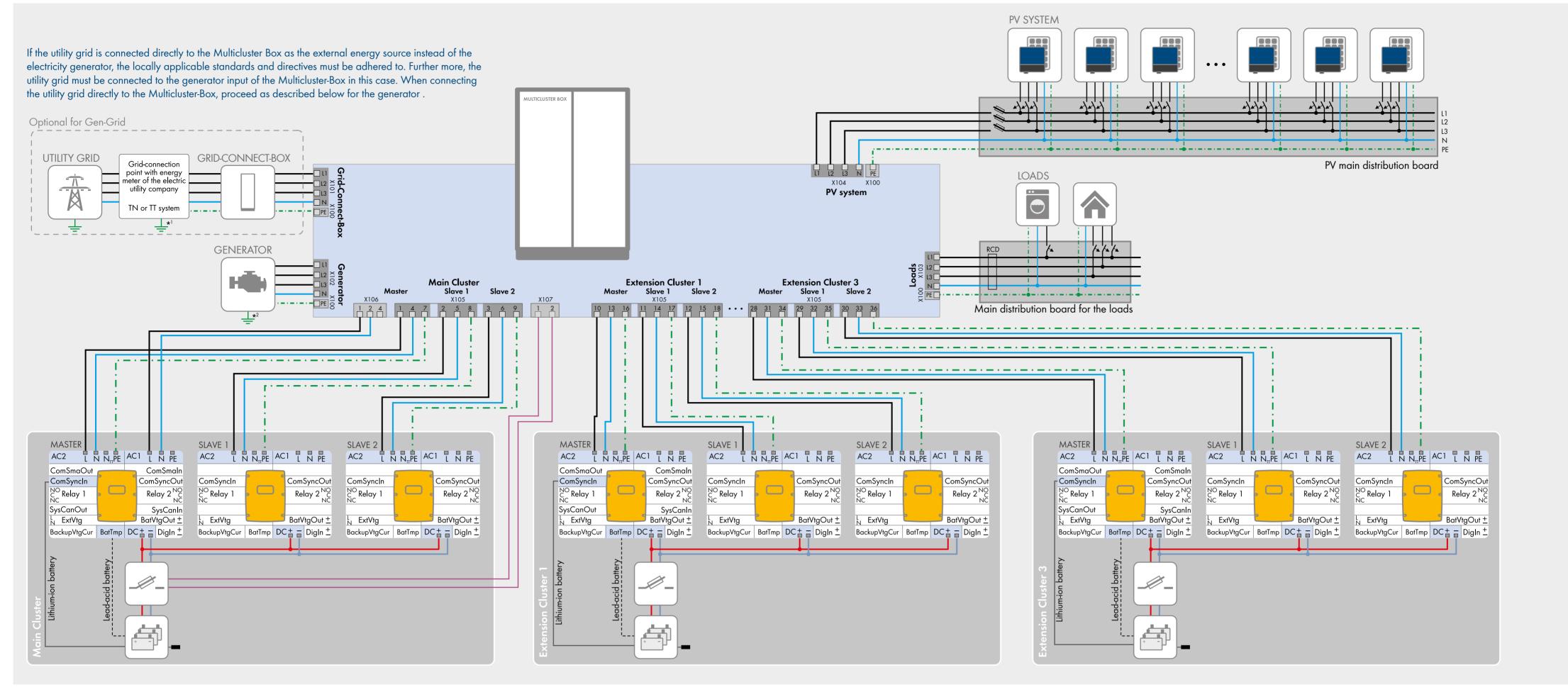
NH1 200 A

NH1 200 A

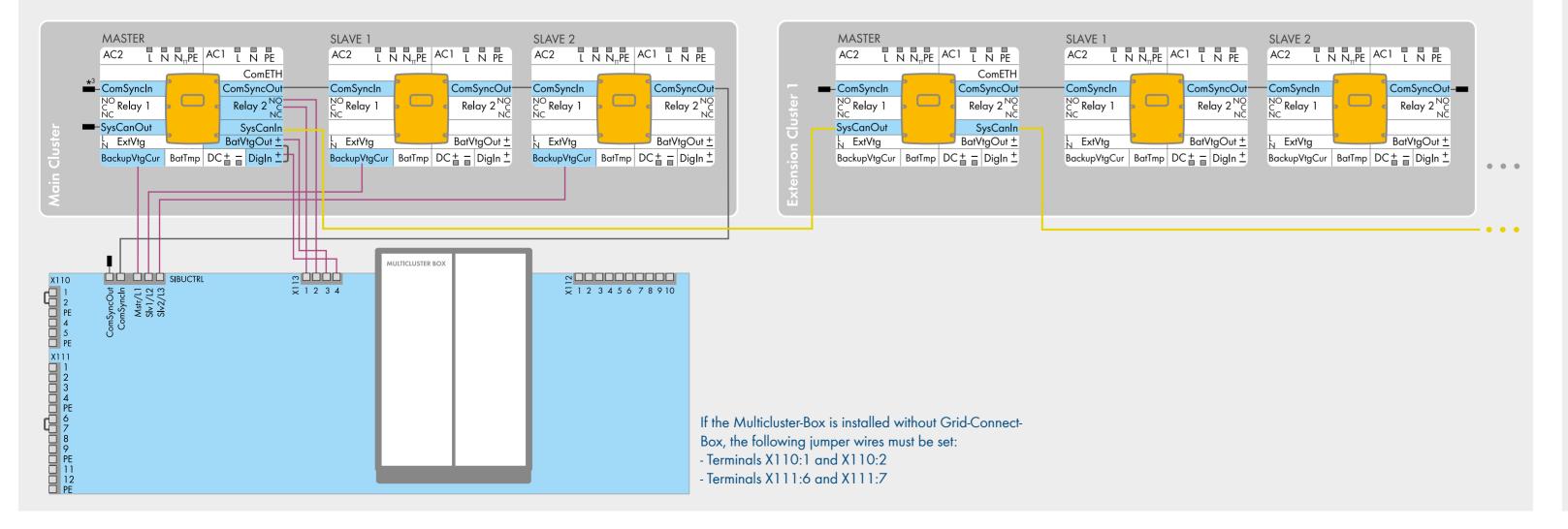
Circuit breaker C40

CIRCUITRY OF GRID CONNECT BOX WITH MULTICLUSTER-BOX AND MAIN CLUSTER

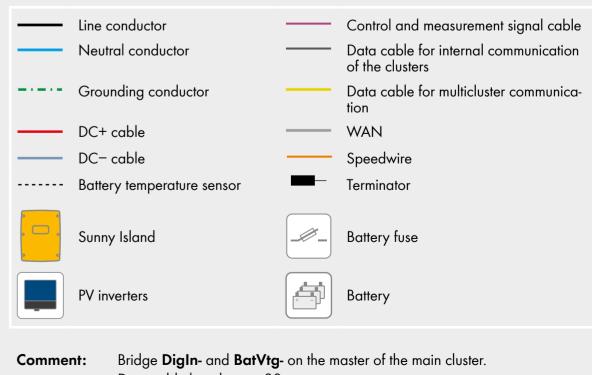
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Terminator	Speedwire	WAZ	Data cable for multicluster communication	Data cable for internal communication of the clusters	Control and measurement signal cable	Grounding conductor	Neutral conductor	Line conductor	







LEGEND



Data cable length max. 30 m

- *1 Ground the Multicluster system at the grid-connection point in accordance with the local standards and directives.
- *2 If a generator is used, ground the multicluster system at the generator.
- *3 If no lithium-ion batteries are connected, the terminator must be plugged in.