



# CERTIFICATE

**Applicant:** CE+T SA  
Rue du Charbonnage 12  
4020 Wandre  
Belgium

**Product:** Hybrid Sierra system without integrated automatic disconnection device between a generator and the public low-voltage grid

<b>Model:</b>	Hybrid Sierra System 48 VDC / 18 kVA,	Hybrid Sierra System 380 VDC / 18 kVA,
	Hybrid Sierra System 48 VDC / 27 kVA,	Hybrid Sierra System 380 VDC / 27 kVA,
	Hybrid Sierra System 48 VDC / 36 kVA,	Hybrid Sierra System 380 VDC / 36 kVA,
	Hybrid Sierra System 48 VDC / 45 kVA,	Hybrid Sierra System 380 VDC / 45 kVA,
	Hybrid Sierra System 48 VDC / 54 kVA,	Hybrid Sierra System 380 VDC / 54 kVA,
	Hybrid Sierra System 48 VDC / 63 kVA,	Hybrid Sierra System 380 VDC / 63 kVA,
	Hybrid Sierra System 48 VDC / 72 kVA,	Hybrid Sierra System 380 VDC / 72 kVA,
	Hybrid Sierra System 48 VDC / 81 kVA,	Hybrid Sierra System 380 VDC / 81 kVA,
	Hybrid Sierra System 48 VDC / 90 kVA,	Hybrid Sierra System 380 VDC / 90 kVA.

**Intended use:**

Hybrid Sierra System in accordance with EN 50549-1 with three-phase parallel coupling to the distribution network. The automatic disconnection device is not an integral part of the aforementioned inverter.

**Applied standards and guidelines:**

**SOP-9-1\_15 GCC Certification Program, 09/21**

Based on:

**EN 50549-1:2019**

**Requirements for generating plants to be connected in parallel with distribution networks Part 1: Connection to a LV distribution network - Generating plants up to and including Type B**

The safety concept of an aforementioned representative products corresponds at the time of issue of this certificate to the valid safety specifications for the specified use in accordance with regulations.

**Limitation:**

- Voltage support during faults and voltage steps is not implemented.
- No integrated interface protection.

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