



Verification of Conformity

Low Voltage Directive EC Council Directive: 2014/35/EU

Applicant: WeCo SRL

Viale Kennedy 113-121 Scarperia e San Piero, Firenze, Italy

Manufacturer: WeCo SRL

Viale Kennedy 113-121 Scarperia e San Piero, Firenze, Italy

Product Description: THREE PHASE HYBRID INVERTER

Trademark:



Model/Type Reference: SMART-3PH-8K, SMART-3PH-10K, SMART-3PH-12K,
SMART-3PH-15K

Ratings: See the model list for details.

Standards: IEC 62477-1:2022
EN 62477-1:2012+A11:2014+A1:2017 +A12:2021

Certificate No.: KS2509S4390SC

Report No.: KS2509S4390S

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above listed Directive(s). The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected.

Signature:

Name: Hardy Ding

Position: Technical Manager

Issued Date: September 27, 2025

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Models list		SMART-3PH- 8K	SMART-3PH- 10K	SMART-3PH- 12K	SMART-3PH- 15K
PV INPUT	VMAX PV [Vdc]	1000			
	ISC PV [A]	30/30			
	MPPT Voltage Range VMPP [Vdc]	140-850			
	Max. Input Current [A] (A/B) (each MPPT if more than 1)	20/20			
	MPPT Full Power Voltage Range [Vdc]	220-850	260-850	320-850	400-850
	Number of MPPT	2			
	String per MPPT	2/2			
	Backfeed Current [A]	0			
	Overvoltage Category (OVC)	II			
BAT Side	Battery Type	LiFePO4 (LFP)			
	Rated charge/discharge voltage [Vdc]	460			
	Operating voltage range [Vdc]	450-470			
	Max. Charging/Discharging current [A]	40			
	Overvoltage Category (OVC)	II			
AC Side (ON-Grid)	Rated Output Voltage [Vac]	3L+N+PE, 230/400			
	Rated Output Frequency [Hz]	50/60			
	Rated Output Power [W]	8000	10000	12000	15000
	Max. Apparent power [VA]	8800	11000	13200	16500
	Rated Output Current [A]	11.6	14.5	17.4	21.8
	Max. Output Current [A]	23.2	29.0	34.8	40.0
	Power Factor cosφ [λ]	0.8 leading ~0.8lagging			
	Overvoltage Category (OVC)	III			
AC Input	Rated Input Voltage [Vac]	3L+N+PE, 230/400			
	Rated Input Frequency [Hz]	50/60			



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	Rated Input Current [A]	11.6	14.5	17.4	21.8
	Max. Input Current [A]	23.2	29.0	34.8	40.0
Gen Input	Rated Input Voltage [Vac]	3L+N+PE, 230/400			
	Rated Input Frequency [Hz]	50/60			
	Rated Input Current [A]	11.6	14.5	17.4	21.8
	Max. Input Current [A]	23.2	29.0	34.8	40.0
AC output (Back-up)	Rated Output Voltage [Vac]	3L+N+PE, 230/400			
	Rated Output Frequency [Hz]	50/60			
	Rated Output Power [VA]	8000	10000	12000	15000
	Rated Output Current [A]	11.6	14.5	17.4	21.8
	Overvoltage Category (OVC)	III			
CONSTRUCTION	Type of inverter	Non-isolated			
	Hardware [Version]	V0.1			
	Firmware [Version]	V0.1			
	Type of NS Protection	Integrated			
	Protective Class	Class I			
	Enclosure Protection (IP)	IP66			
	Separated by	Transformerless			
	Operating Temperature Range [°C]	-20°C to +50°C			
	Pollution degree (PD)	PD3			
	Altitude [m]	3000m			
	Size [W*H*D] [mm]	701x420x218			
	Weight [kg]	30			
Note: GEN(Generator) and Grid cannot exist at the same time and are implemented through installation.					