ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Product Service

Compliance Document

No. D 082496 0048 Rev. 00

Holder of Certificate:	**SolarEdge Technologies Ltd.** 1 Hamada Street 4673335 Herzeliya ISRAEL
Product:	**Converter** **(Energy Storage Inverter with storage battery system)**
Model(s):	**Inverter model: PCS050** **Battery system model: CSS-OU-20**
Parameters:	See page 2
Tested according to:	CEI 0-16:2022 CEI 0-16:2022/V1:2022 CEI 0-16:2022/V2:2023 CEI 0-16:2022/V3:2024

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290243052401

Date, 2024-10-11

(Billy Qiu)

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Parameters:

Inverter model	PCS050
Battery input/output parameters	
Battery type	LiFePO4
Maximum voltage [V_{DC}]	750
Battery rated voltage [V_{DC}]	512
Battery voltage range [V_{DC}]	350 - 750
Maximum charge power [W]	55000
Maximum discharge power [W]	55000
Maximum charge current [A_{DC}]	55/55
Maximum discharge current [A_{DC}]	55/55
Grid terminal input parameters	
Rated input voltage [V_{AC}]	3P+N+PE, 230/400
Rated input frequency [Hz]	50
Maximum continuous input current from grid to battery [A_{AC}]	72
Maximum continuous input current [A_{AC}]	80
Maximum continuous input power from grid to battery [W]	50000
Maximum continuous input active power [W]	50000
Maximum continuous input apparent power [VA]	55000
Power factor range	0.9 inductive to 0.9 capacitive
Grid terminal output parameters	
Rated output voltage [V_{AC}]	3P+N+PE, 230/400
Rated output frequency [Hz]	50
Rated output current [A_{AC}]	72
Maximum continuous output current [A_{AC}]	80
Rated output active power [W]	50000
Maximum output active power [W]	50000
Maximum output apparent power [VA]	55000
Power factor range	0.9 inductive to 0.9 capacitive

Battery model parameters see below page: 3

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The following generators meet the requirements of CEI 0-16:2022, CEI 0-16:2022/V1:2022, CEI 0-16:2022/V2:2023 and CEI 0-16:2022/V3:2024		
Section A	Manufacturer	SolarEdge Technologies Ltd. 1 Hamada Street 4673335 Herzeliya ISRAEL
	Equipment type	Energy Storage Inverter with storage battery system
	Brand	SolarEdge
	User side connection	☒ Three-phase with neutral ☐ Three-phase without neutral Frequency: 50 Hz Voltage: 230/400 V_{AC}
	Primary energy used	☐ Solar ☒ Storage ☐ Wind ☐ Hydroelectric ☐ CHP ☐ Other:
	Generator model	PCS050
	Rated active power output to Grid	50000 W
	Maximum apparent power output to Grid	55000 VA
	The generator:	☒ suitable for installation in plants with a power output of less than or equal to 400 kW ☒ suitable for installation in plants with a power exceeding 400 kW
Section B	Static converter characteristics	
	Manufacturer of inverter	SolarEdge Technologies Ltd.
	Firmware version	V000B000D001
	Model of inverter	PCS050
	Nominal converter power (P_{NINV})	50000 W
Section D	Characteristics of the Storage System (SdA)	
	Batteries that can be used with the above static converters	
	Brand	SolarEdge
	Technology	LiFePO4
	Models	CSS-OU-20
	CUS module (kWh)	102.4 (with 1 × battery system CSS-OU-20, one battery system includes total 20 battery module EM-5.1K01 (2P10S) in series)
	BMS firmware version	BAU V3001.31.12.0, BCU V3301.21.12.0, CSU V101.11.0
	Number of modules	1-2 CSS-OU-20
	Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with manufacturer's instruction.

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Section H	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	☒ Tests performed by an accredited laboratory
	Test Reports (RdP)	Test report according to Annex Nbis: 64.290.24.30524.01
	Issued by	Accredited lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
	Accreditation No.	D-PL-19065-01-00
	Accreditation body ref.	DAkkS
Section L	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH
		DAkkS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013