

# Certificate of Conformity

No. ESY 082496 0058 Rev. 00

**Holder of Certificate:** **SolarEdge Technologies Ltd.**  
1 Hamada Street  
4673335 Herzeliya  
ISRAEL

**Product:** **Converter**  
**(Energy Storage Inverter)**

**Model(s):** **PCS050**

**Parameters:** See page 3

**Applicable standards:** NTS SENP V1.1:2021-07

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290253038601

**Date,** 2025-08-28



( Billy Qiu )

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Certification Body TÜV SÜD Product Service GmbH performed assessment of the products listed below:

Type of PGM to be installed	Energy Storage Inverter, NTS SENP V1.1:2021-07 (SENP)
Test requirement	The certification complies with the requirements of the following documents:  Technical standard for the supervision of the conformity of electricity generation modules according to the P.O.12.2 SENP. version (2021-07-09)
Manufacturer	SolarEdge Technologies Ltd. 1 Hamada Street, 4673335 Herzeliya, ISRAEL
Model and Technical Data	See page 3
Software version	V000B000D001

## Scope of assessment and results

Clause of NTS V1.1(SENP)	Requirement	Assessment
5.1.	Limited frequency sensitive mode - overfrequency (LFSM-O)	Pass
5.2.	Limited frequency sensitive mode - underfrequency (LFSM-U)	Pass
5.3.	Frequency sensitive mode (FSM)	Pass
5.5.	Active power control range and remote controllability	Pass
5.7.	Reactive power capacity at maximum capacity and under maximum capacity	Pass
5.8.	Reactive power control at MPE	Pass
5.11.	Robustness requirements: Post-fault active power recovery, low voltage ride through capability and provision of fast fault current	Pass

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**Parameters:**

Model	PCS050
Battery input/output parameters	
Battery type	Lithium-ion
Maximum voltage [V <sub>DC</sub> ]	750
Battery rated voltage [V <sub>DC</sub> ]	512
Battery voltage range [V <sub>DC</sub> ]	350-750
Maximum charge power [W]	50000
Maximum discharge power [W]	50000
Maximum charge current [A <sub>DC</sub> ]	55
Maximum discharge current [A <sub>DC</sub> ]	55
Grid terminal input/output parameters	
Rated input/output voltage [V <sub>AC</sub> ]	3P+N+PE, 230/400
Rated input/output frequency [Hz]	50
Rated input/output current [A <sub>AC</sub> ]	72
Maximum continuous input/output current [A <sub>AC</sub> ]	80
Maximum continuous input/output active power [W]	50000
Maximum continuous input/output apparent power [VA]	55000
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)