

Certificate of Conformity

No. ESY 082496 0051 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 V2.1:2021-07

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

Test report no.: 64290243111301

Date, 2024-11-20



(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, Type A and Type B
Test requirement	The certification complies with the requirements of the following documents: Technical standard for monitoring the compliance of electricity generating modules according to EU Regulation 2016/631. Version 2.1 (2021-07-09) + correction of errors of Version 2.1 (2021-10-08)
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 V2.1	Requirement	Type A	Type B	Assessment	
				Type	Result
5.1.	Limited frequency sensitive mode - overfrequency (LFSM-O)	Yes	Yes	Test	Pass
5.7.	Reactive power capability at maximum capacity and below maximum capacity	N/A	Yes	Test	Pass
5.8.	Reactive Power Control in PPM	N/A	Yes	Test	Pass
5.11.	Robustness requirements: Active power recovery after a fault, Fault ride Through Capability, and Fast Fault Current Injection Capability (for generators connected below 110 kV)	N/A	Yes	Test	Pass

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Parameters:

Model	PCS050
Battery input/output parameters	
Battery type	Lithium-ion
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
Maximum discharge current [A_{DC}]	55
Grid terminal input/output parameters	
Rated input/output voltage [V_{AC}]	3P+N+PE, 230/400
Rated input/output frequency [Hz]	50
Rated output current [A_{AC}]	72
Maximum continuous input/output current [A_{AC}]	80
Maximum continuous input/output active power [W]	50000
Maximum continuous input/output apparent power [VA]	55000
Power factor range	0.9 inductive to 0.9 capacitive