



Certificate of compliance

Applicant: SolarEdge Technologies Ltd.
1 HaMada Street
Herzliya 4673335
Israel

Product: Inverter

Model: Photovoltaic (PV) Inverter
SE5000, SE6000
Battery Inverter
SE5000-RWS, SE6000-RWS

Use in accordance with regulations:

The inverter(s) are tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

Applied rules and standards:

IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 09TH0001-IEC61683_0

Certificate number: U20-0655

Certification program: NSOP-0032-DEU-ZE-V01

Date of issue: 2020-08-12

Certification body



Thomas Lammel



*Certification body of Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065
A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH*

Measuring of efficiency

Extract from test report according the IEC 61683

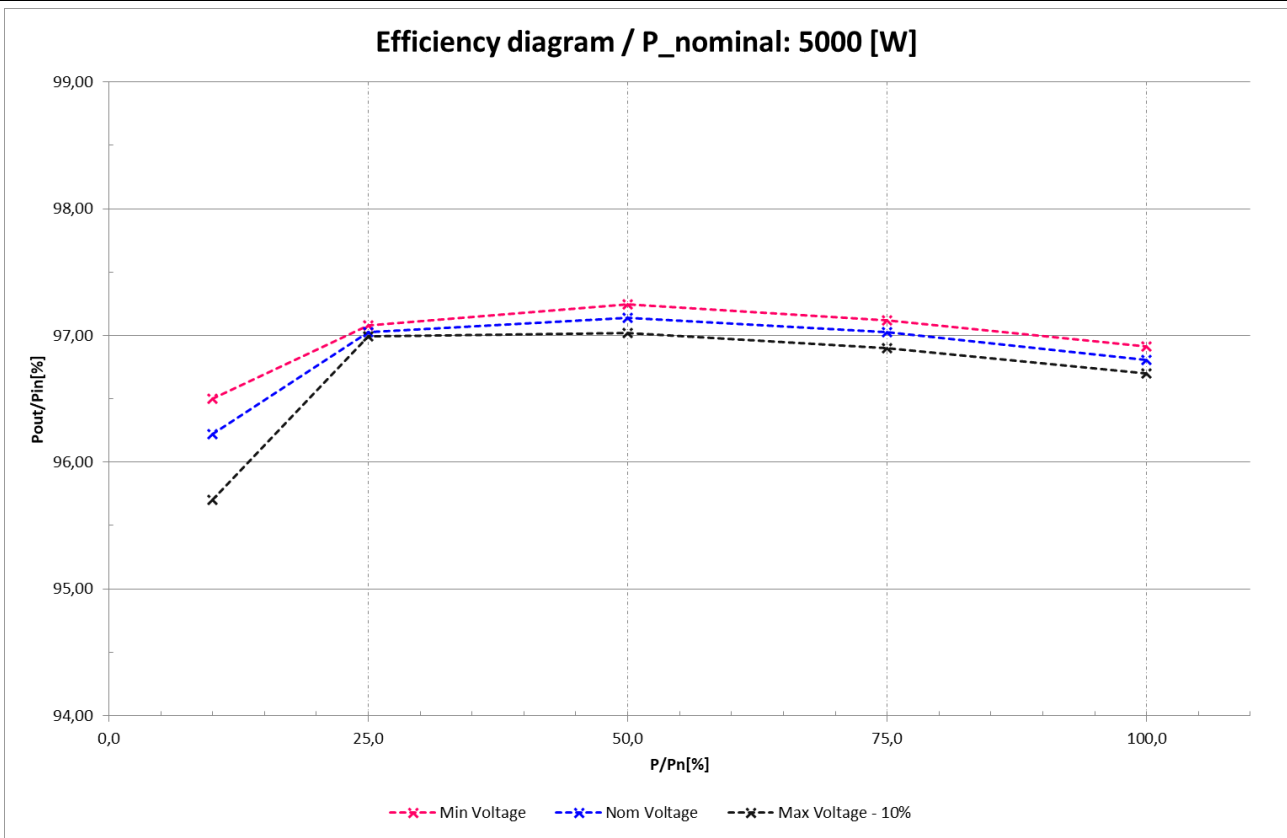
Nr. 09TH0001-IEC61683_0

Efficiency measurement conditions test results

SE5000 / SE5000-RWS

Input voltage [Vdc]		Power (nom. 5000W)				
		10%	25%	50%	75%	100%
		500 W	1250 W	2500 W	3750 W	5000 W
		η in [%]				
V_{min}	360	96,50	97,08	97,24	97,12	96,91
$V_{nominal}$	400	96,22	97,03	97,14	97,03	96,81
V_{max}	460	95,70	96,99	97,02	96,90	96,70

Efficiency diagram / P_nominal: 5000 [W]



Note:

Ambient temperature 25°C +/- 2°C.

Measuring of efficiency

Extract from test report according the IEC 61683

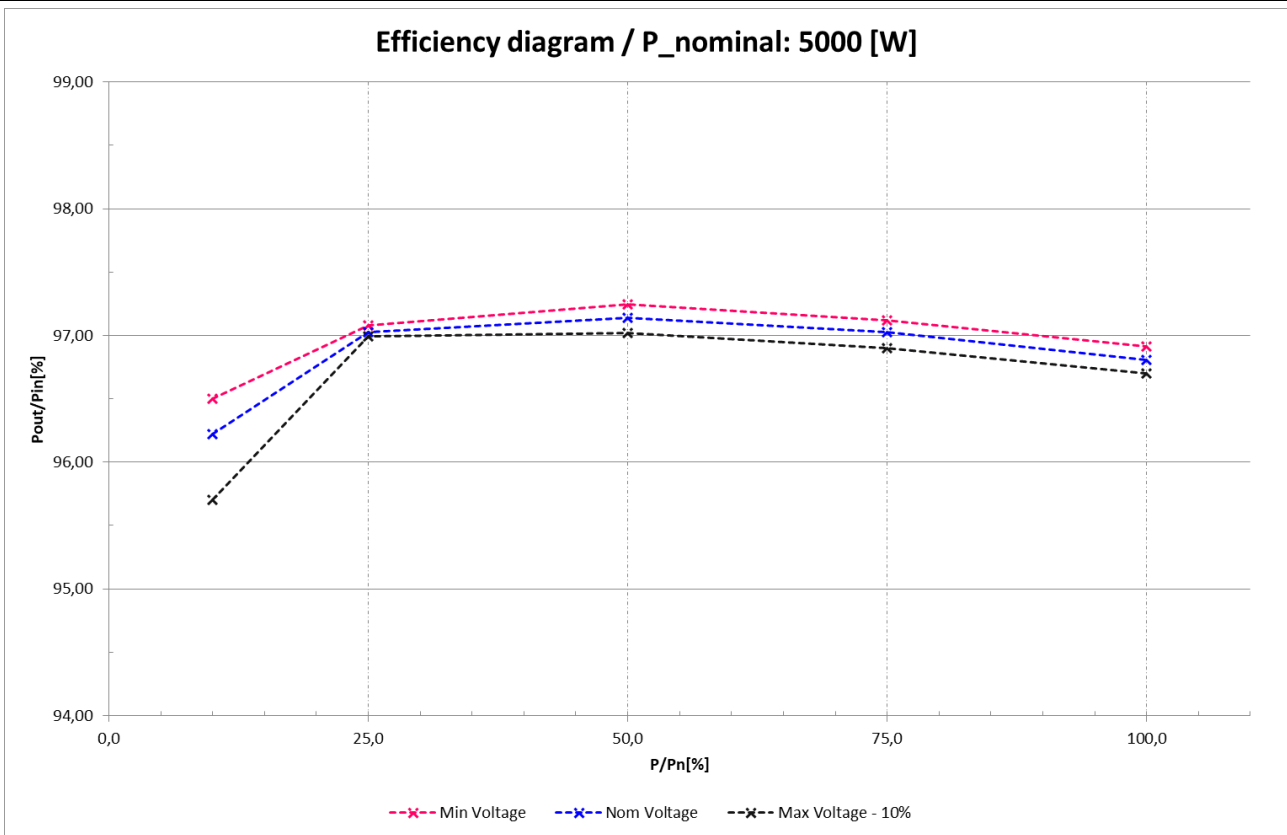
Nr. 09TH0001-IEC61683_0

Efficiency measurement conditions test results

SE6000 / SE6000-RWS

Input voltage [Vdc]		Power (nom. 6000W)				
		10%	25%	50%	75%	100%
		600 W	1500 W	3000 W	4500 W	6000 W
		η in [%]				
V_{min}	360	96,71	97,01	97,21	97,10	96,77
$V_{nominal}$	400	96,31	96,89	97,08	96,95	96,55
V_{max}	460	95,95	96,71	96,90	96,83	96,40

Efficiency diagram / P_nominal: 5000 [W]



Note:
Ambient temperature 25°C +/- 2°C.