



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **Schneider Electric Solar Inverters USA, Inc.**
250 S. Vasco Rd.
Livermore, CA 94551
USA

Product: **Grid-tied photovoltaic (PV) inverter**

Model: **Conext CL 20000 E**
Conext CL 25000 E

Use in accordance with regulations:

The inverter(s) are tested according to 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: **PV141104C12-IEC61683**

Certificate number: **U14-0608**

Date of issue: **2014-11-11**

Certification body

Dieter Zitzmann



Deutsche
Akkreditierungsstelle
D-ZE-12024-01-01

Certification body of Bureau Veritas Consumer Products Services Germany GmbH
Accredited according to EN 45011 - ISO / IEC Guide 65

Measuring of efficiency

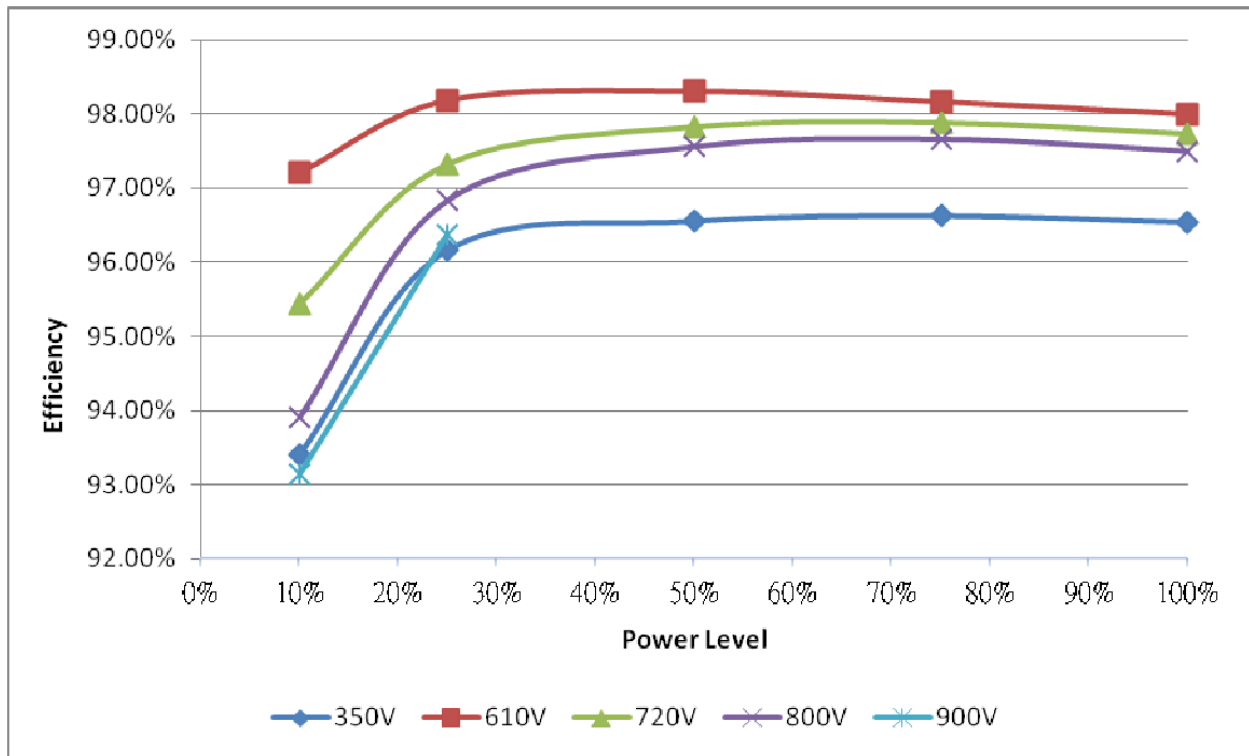
Extract from test report according the IEC 61683

Nr. PV141104C12

Efficiency measurement conditions test results

Conext CL 20000 E

Input voltage [Vdc]		Power in [W] (nom. 20000W)				
		10%	25%	50%	75%	100%
		2000	5000	10000	15000	20000
		η in [%]				
V_{min}	350	93,41	96,16	96,55	96,62	96,54
$V_{nominal}$	610	97,21	98,18	98,31	98,17	98,00
V_{max} (90% MPPT)	720	95,45	97,32	97,83	97,88	97,73
V_{max} (MPPT)	800	93,90	96,83	97,56	97,66	97,50
V_{max} (90%)	900	93,15	96,36	derating	derating	derating



Measuring of efficiency

Extract from test report according the IEC 61683

Nr. PV141104C12

Efficiency measurement conditions test results

Conext CL 25000 E

Input voltage [Vdc]		Power in [W] (nom. 25000W)				
		10%	25%	50%	75%	100%
V_{min}	430	2500	6250	12500	18750	25000
$V_{nominal}$	610	η in [%]				
V_{max} (90% MPPT)	720	95,00	96,65	96,65	96,62	96,35
V_{max} (MPPT)	800	97,52	98,27	98,23	98,05	97,43
V_{max} (90%)	900	96,01	97,58	97,90	97,80	97,23
		95,05	97,12	97,65	97,59	97,08
		94,23	96,73	derating	derating	derating

