



**BUREAU
VERITAS**

Certificate of compliance

Applicant: Fronius International GmbH
Froniusstraße 1
A-4643 Pettenbach

Product: Photovoltaic (PV) inverter

Model: Primo GEN24 6.0 Plus
Symo GEN24 10.0 Plus
Symo GEN24 10.0 Plus SC

Use in accordance with regulations:

The inverters 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 representative product listed above corresponds to the stated rules and standards.

Report number: 24TH0317-IEC61683_0 **Certification program:** NSOP-0032-DEU-ZE-V01
Certificate number: U24-0682 **Date of issue:** 2024-07-18

Certification body



Georg Loritz
Lab Supervisor Energy Systems

Certification body of Bureau Veritas Consumer Products Services Germany GmbH Accredited according to DIN EN ISO/IEC 17065

Testing laboratory accredited according to DIN EN ISO/IEC 17025

A partial representation of the certificate requires the written permission of Bureau Veritas Consumer Products Services Germany GmbH





Appendix

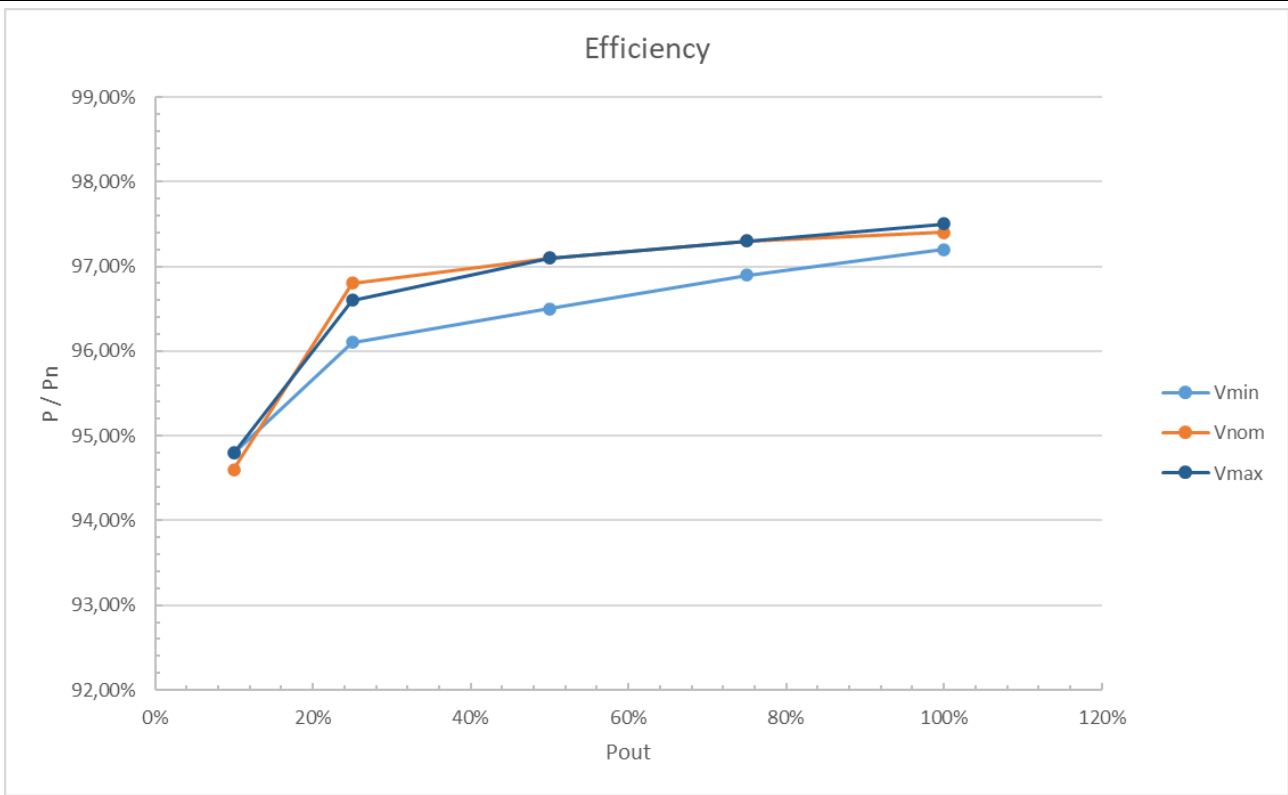
Extract from test report according the IEC 61683

Nr. 24TH0317-IEC61683_0

Efficiency measurement conditions test results

Primo GEN24 6.0 Plus

Input voltage [Vdc]		Power in [W] (nom. 6000W)				
		10%	25%	50%	75%	100%
		600	1500	3000	4500	6000
		η in [%]				
V_{min}	230	94,8	96,1	96,5	96,9	97,2
$V_{nominal}$	400	94,6	96,8	97,1	97,3	97,4
V_{max} (90% MPPT)	480	94,8	96,6	97,1	97,3	97,5



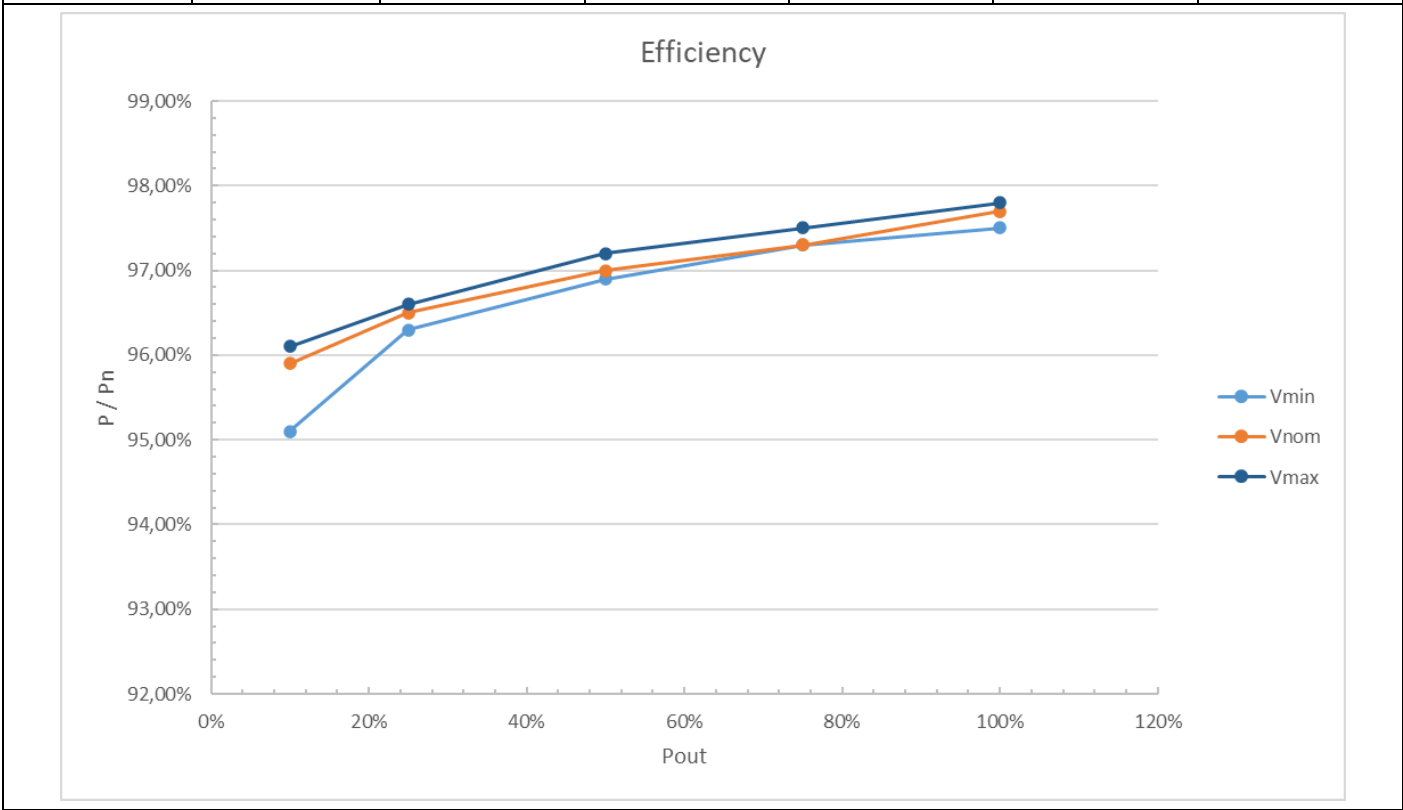


Appendix

Extract from test report according the IEC 61683 Nr. 24TH0317-IEC61683_0

Efficiency measurement conditions test results

Symo GEN24 10.0 Plus						
Input voltage [Vdc]		Power in [W] (nom. 10000W)				
		10%	25%	50%	75%	100%
		1000	2500	5000	7500	10000
		η in [%]				
V_{min}	278	95,1	96,3	96,9	97,3	97,5
$V_{nominal}$	610	95,9	96,5	97,0	97,3	97,7
V_{max} (90% MPPT)	800	96,1	96,6	97,2	97,5	97,8





Appendix

Extract from test report according the IEC 61683

Nr. 24TH0317-IEC61683_0

Efficiency measurement conditions test results

Symo GEN24 10.0 Plus SC						
Input voltage [Vdc]		Power in [W] (nom. 10000W)				
		10%	25%	50%	75%	100%
		1000	2500	5000	7500	10000
		η in [%]				
V_{min}	246	95,2	96,2	96,9	97,4	97,6
$V_{nominal}$	610	95,9	96,5	97,2	97,5	97,8
V_{max} (90% MPPT)	800	96,2	96,8	97,4	97,6	97,9

