

C E R T I F I C A T E
of Conformity



Registration No.: AK 60123152 0001

Report No.: 28110539 013

Holder: Power - One Italy S.p.A.
Via San Giorgio 642
52028 Terranuova Bracciolini AR
Italia

Product: Electrical Equipment
Grid tied inverter

Identification: Trademark: ABB
Models: TRIO-8.5-TL-OUTD-400 ; TRIO-8.5-TL-OUTD-S-400
TRIO-7.5-TL-OUTD-400 ; TRIO-7.5-TL-OUTD-S-400
TRIO-5.8-TL-OUTD-400 ; TRIO-5.8-TL-OUTD-S-400

Tested acc. to: IEC 61683:1999
EN 61683:2000
CEI EN 61683:2010

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Certification Body

Date 31.08.2017

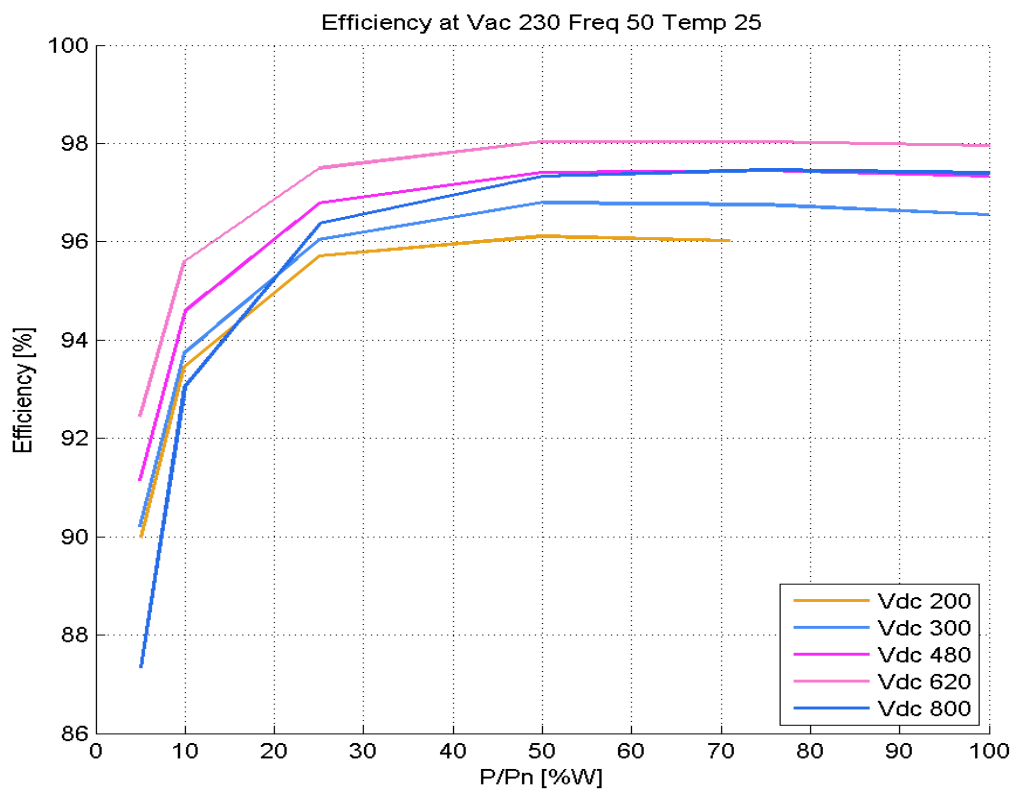


Marco Piva

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

TABLE 4.a Efficiency measurement conditions test results

| | | | | | | | | |
|---|--|-------|-------|-------|-------|-------|-------|----|
| MODEL: | TRIO-8.5-TL-OUTD | | | | | | | |
| Test conditions: | Temperature 25°C OUTPUT Voltage: 230Vac, 50Hz | | | | | | | |
| Input voltage (Vdc) | Power Level | | | | | | | |
| | 5% | 10% | 25% | 50% | 75% | 100% | 120% | |
| | 250 | 500 | 1250 | 2500 | 3750 | 5000 | -- | |
| η in [%] | | | | | | | | |
| Rated Power Efficiency and Partial Output Efficiency | | | | | | | | |
| Vmin | 200 | 89.98 | 93.48 | 95.72 | 96.12 | 96.02 | -- | -- |
| Vmin (Full Power) | 300 | 90.22 | 93.75 | 96.04 | 96.80 | 96.77 | 96.56 | -- |
| Vnominal | 480 | 91.15 | 94.60 | 96.79 | 97.42 | 97.45 | 97.34 | -- |
| Vmax (Full Power) | 620 | 92.44 | 95.61 | 97.50 | 98.04 | 98.04 | 97.96 | -- |
| Vmax | 800 | 87.33 | 93.04 | 96.37 | 97.33 | 97.46 | 97.41 | -- |



No-Load Loss
 Inverter connected to the AC main, supplied with nominal input voltage
 W1= 1.3W (AC realis opened)
 W1= 23W (AC realis closed)

Standby Loss
 Inverter connected to the AC main (AC realis opened) with no input source
 W2= 1.3mW