

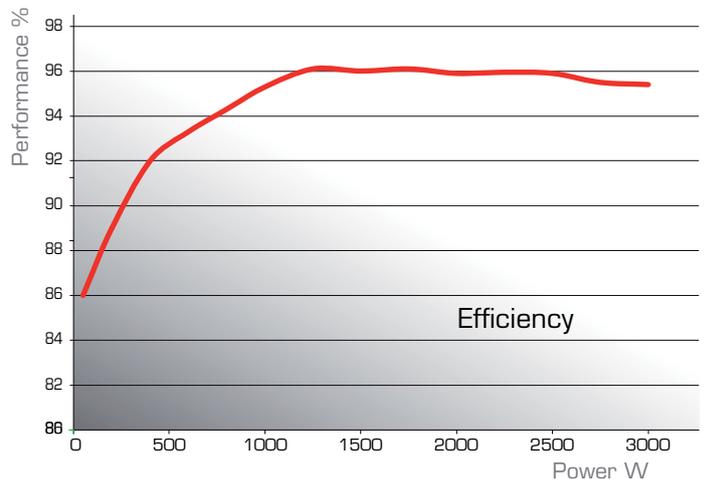
Inverters with transformer 3 - 3,3 Kw

**Beghelli Solar DATA Gate FH-DSSS
radio transmission system**

**Complies with the
"Guide for connections
to the ENEL Distribuzione
electricity network"**

**MPPT algorithm optimised
for continuous maximum
power point tracking**

Single-phase inverter, with isolation transformer configured for 50 Hz network frequency, suitable for grid connection also in three-phase systems, with Beghelli Solar DATA Gate FH-DSSS radio transmission for connection to the PianetaSole control panels.



INPUT MODULES CONFIGURATION FOR SINGLE INVERTE

	3.000 W TL	3.300 W TL
Total number of strips	1	1
280Wp modules for each strip	10 ÷ 11	11 ÷ 12
Maximum number of installable modules	11	12

Order Code	Description	Notes
15732	3000 W Beghelli inverter	Integrated anti-theft system
15733	3300 W Beghelli inverter	Integrated anti-theft system

	3000 W	3300 W
Input parameters		
Maximum DC power	3300W	3600W
MPPT voltage interval	260÷490v (rated 400)	300÷530v (rated 430)
Maximum DC voltage	600V	650V
Activation voltage	360V	400V
Independent MPPTs	1	1
Maximum power per MPPT	3300W	3600W
No. of DC inputs	1	1
Maximum current per MPPT	10A	10A
Input protections and connections		
DC-side disconnection	External bi-polar disconnect switch in IP66 casing	External bi-polar disconnect switch in IP66 casing
Polarity inversion	Yes	Yes
DC-side varistors	2 + gas arrester to earth	2 + gas arrester to earth
DC Input	1 input with 2 MC4-type snap-in plugs	1 input with 2 MC4-type snap-in plugs
Output parameters		
Rated output power	2800W	3000W
Maximum output power	3000W	3300W
Connection to the AC network	Single-phase 230 VAC 50 Hz + PE	Single-phase 230 VAC 50 Hz + PE
Rated output voltage	230Vac	230Vac
Rated output current	12.17A	13A
Maximum output current	15A	16A
Maximum short-circuit output current	27A	29A
Rated frequency	50 +/- 2% Hz	50 +/- 2% Hz
Power factor	0.99	0.99
Output protections and connections		
AC-side disconnection	Bi-polar rotating disconnect switch on the inverter	Bi-polar rotating disconnect switch on the inverter
AC-side varistors	2 + gas arrester to earth	2 + gas arrester to earth
Measuring device for leakage currents following earth malfunctions (AC/DC-sensitive type A and F RCD)	Conforms to VDE 0126-1-1 and CEI 64-8 regulation (type-F RCD as per IEC 60755/A2)	Conforms to VDE 0126-1-1 and CEI 64-8 regulation (type-F RCD as per IEC 60755/A2)
AC Output	1 connector with locking nut, IP68, with terminals, suitable for clamping a sheathed three-pole cable 3 x 2.5 mm ² (Neutral, Live and Earth)	1 connector with locking nut, IP68, with terminals, suitable for clamping a sheathed three-pole cable 3 x 2.5 mm ² (Neutral, Live and Earth)
Isolation	Incorporated isolation transformer configured for mains voltage, with class II insulation.	Incorporated isolation transformer configured for mains voltage, with class II insulation.
Conversion efficiency		
Maximum efficiency	96%	96%
European efficiency	94%	94%
Environmental parameters		
Operating temperature range	-20 ÷ +60 °C	-20 ÷ +60 °C
Protection rating	IP66	IP66
Cooling	Natural aeration, without fans	Natural aeration, without fans
Mechanical parameters		
Dimensions	400x200x130 mm30 kg	400x200x130 mm
Weight	30 kg	30 Kg
Other information		
Stand-by mode absorption	2W	2W
MTBF (mean time between failures)	153000 hours (at 20°C)	153000 hours (at 20°C)
Transmission	Radio FH-DSSS	Radio FH-DSSS
Firmware version	V3.1	V4.1
Type of converter	Static converter unsuitable for withstanding the voltage and frequency within the rated range (static conversion device that behaves like a current generator)	Static converter unsuitable for withstanding the voltage and frequency within the rated range (static conversion device that behaves like a current generator)
Contribution to the short-circuit current	24A	27A
Make	Beghelli S.p.A.	Beghelli S.p.A.
Model	291.005.015	291.005.014