

Power

ALPHA-ZWR 250

3phase PV inverter up to 320 kW



- Easy installation and maintenance
- Galvanic isolation transformer at the inverter output
- Advanced communications
- Monitoring system via ethernet, RS485 and RS232
- Maximum energy and safety
- 2 years product warranty (expandable)

ALPHA-ZWR inverters with transformers allow direct connection to the low voltage distribution grid guaranteeing the galvanic separation with respect to the DC current plant. The ample rating of the transformer and the other inverter components provides very high conversion efficiency and ensures it is one of the most efficient devices of its kind.

ALPHA-ZWR 250



Technical data	
Model	ALPHA-ZWR 250
Rated power alternating current	250kW (220 - 320kWp)
INPUT	
Maximum direct voltage in an open circuit	800Vcc
MPPT interval	330 - 700Vcc
Maximum input current	820Acc
Voltage during system startup	390Vcc
Full Rating Range	330 - 700Vcc
Number of inputs	3
MPPT number	1
D.C. connectors	Barra
OUTPUT	
Operating voltage	400Vca (+/- 15%)
Settable frequency interval	50Hz (+/- 1Hz)
Nominal current	361Aca
Maximum current	455Aca
Current Harmonic Distorsion (THDi)	<3%
Power factor	>0,99
Galvanic separation	Trafo BF
A.C. connectors	Barra
GENERAL	
Maximum efficiency	96,3%
European efficiency	95,5%
Stand-by consumption	<32W
Heat dissipation	Fans
Operating temperature	0 - 45°C
Humidity	0 - 95% non-condensing
Dimensions	1630x1000x1900mm
Weight	1900Kg
Protection level	IP20
Colour	RAL 7035
Acoustic noise	<68dBA
COMMUNICATION	
Display	2 row LCD, 40 characters
Communication interface	2xRS232 supplied as standard, optional RS485, ModBUS and Ethernet (slot version)
STANDARDS / CERTIFIKATES	
89/336/EEC, EN-61000-6-4	
EN-61000-3-11, EN-61000-3-12	
ENEL DK5940	
73/23/EEC	

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