

SUN ZET 25KWp SOLAR INVERTER

For Solar Power Generation Plants
Nx25kVA



ENGAGEMENT

- High efficiency.
- Nx25kVA Plants.
- High reliability and guarantee.
- After-sale service 24h/365 days.
- Input voltage range (300-650Vdc).
- Maximum power point tracking (MPPT).
- High energy performance, over 96%.
- Tiny harmonic distortion (THD), under 3%.
- Choosable power factor.
- Direct connection to the main.
- Parallel connection possibility with no limits.
- Integrated electric protections.
- Non stand-alone surveillance with automatic disconnection.
- Main manual disconnection possibility.
- Monitoring in the front of the equipment.
- Totally set-upable

EFFICIENCY

QUALITY

- Easy to install and monitoring.
- Protection degree IP21 (others available).
- Protection against: inverted polarization, shortcircuit, overvoltage, isolation failure.
- CE certificate. EMC directives and Low Voltage.
- Life expectancy over 20 years.
- Modem for fixed telephony or GSM.
- Temperature measurement, irradiation, ... and so on.
- Output relai for isolation failures in continuous or main connection.
- Additional cabinet for photovoltaic connections and DC control and protection circuit.
- AppleServer programme on PC to display parameters, data register, ...and so on.
- Inverter output to 400V - with/without transformer.
- Reactive automatic power.

HIGH RELIABILITY

TECHNICAL CHARACTERISTICS

SUN ZET 25Kwp

ELECTRICAL CHARACTERISTICS

Maximum recommended PV power	28 KWp
Output continuous power	25 KW AC
DC Nominal Power	27 KW DC
AC Nominal Voltage	380-400 V AC Three-phase
Nominal Frequency	50 Hz
Power factor	1 adjustable ± 0.8
Maximum line current	45 A AC
AC current distortion	< 3.5% THD nominal power
Open circuit maximum voltage	700 VDC
Power Point Tracking range (PPT)	300 to 650 VDC
DC Input maximum voltage	84 A DC
Maximum paralleled equipments	Nx25 KW
Peak efficiency	94 % (including transformer)

ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS

Environmental temperature range	-10°C a + 45°C
Environmental protection degree	IP21
Cabinet	Standard
Weight	250 Kg
Dimensions (Height x Width x Depth mm)	2000 x 800 x 600
Altitude	Up to 2000m without power loss
Relative humidity	0 to 95% without condensation

GENERAL CHARACTERISTICS

Cooling system	Forced ventilation
Protection functions	Over / under AC voltage Over / under frequency AC and DC overcurrent DC overvoltage
User's screen	LCD standard
Selectors (AC and DC)	Integrated
Isolation transformer	Integrated on the inverter
Communication software	Graphic software for communication Real time control
AUTODIAGNOSIS and monitoring of the equipment	Yes
Data and register acquisition	Adjustable
Interfaces	Telephonic modem Remote failure control by RS485 AppleServer programm
External measurements	4 Analogic inputs Digital inputs / outputs

DIRECTIVES AND SAFETY RULES

Compliance with European rules	UNE-EN 61277
Electromagnetic compatibility directives	EN 61000-6-2 (immunity rules) EN 61000-6-3 / EN 61000-6-3/A11 (Emission rules)
Low voltage directive	UNE EN 50178

Specifications are subject to change with no previous warning

ZONA NORTE

C/Zuazobidea s/n - Pol. Ind. Jundiz
01015 - Vitoria (Álava)

Tif. +34 945 214 600 - Fax. +34 945 229 600

E-mail: zigor@zigor.com - Web: www.zigor.com

ZONA CENTRO

C/ San Máximo No.31 - 4ª Planta - Local 10
28041 - Madrid

Tif. +34 91 5000 535 - Fax. +34 91 5000 861

E-mail: zigor@zigor.com - Web: www.zigor.com

ZONA NORESTE

C/ Unió 63-65 Entl.

08800 Villanova I la Geltrú (Barcelona)

Tif. +34 93 814 2885 - Fax. +34 93 893 8912

E-mail: zigor@zigor.com - Web: www.zigor.com

