

Tier 1 Key Components

- Nichicon capacitors (Japanese)
- Infineon IGBTs (German)
- STMicro CPU (French-Italian)

Breathing inverter protecting
from condensation

Patented waterproof design
Service team based in Belgium

Three Phases
15-25KW Series



Presola[®]

COMPANY PROFILE

Presola is a belgian residential on-grid and energy company since 2015 continuously working on designing, manufacturing, and marketing of high- performance solar inverters with intelligent monitoring system.



OUR PRODUCTS

Presola provides on-grid and hybrid solar inverters, ranging from 1.5kW to 25kW and standards, applicable for residential, commercial roofs, and small storage systems all over the world.

C10/11, AS4777, EN50438, IEC61000, IEC62116, IEC61683, IEC60068, IEC62109, EN62109, CQC, etc..



OUR SERVICES

We offer all kinds of solutions from the very beginning to the end. Our overall service includes concept, design, development, maintenance and implementation.



OUR MISSION

Our mission is to provide the best technology and services to our customers. We are fully committed to contributing to innovation and growth in renewable energy across the globe with our partners.



Jupiter Series Three - Phase String Inverters

PJ-15K / 17K / 20K / 25KTL-DT



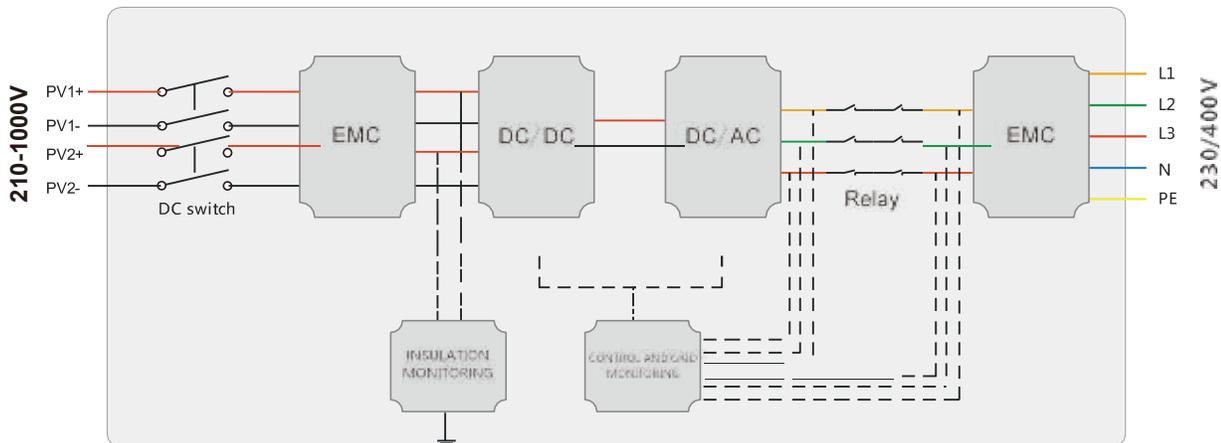
- Exquisite
- Trustworthy
- Intelligent
- Profitable

Presola

Modern solution for demanding customers

- Simple installation and maintenance
- Optimized thermal design for longer component life
- User friendly interface
- Resistant to adverse environmental conditions
- Components from world class suppliers
- Intelligent monitoring system
- Accurate real-time tracking in wide voltage/frequency ranges
- High efficiency (up to 984%) and reliability
- Longer MTBF (Mean Time Between Failures)

CIRCUIT DIAGRAM



Jupiter Series Single-phase String Inverters

PJ-15K / 17K / 20K / 25KTL-DT

TECHNICAL DATA

MODEL	PJ-15KTL-DT	PJ-17KTL-DT	PJ-20KTL-DT	PJ-25KTL-DT
Max. DC Power	18000W	20400W	24000W	30000W
Max. Input Voltage	1000Vdc			
MPP Operation Voltage Range/Nominal Input Voltage	250 - 950 Vdc / 620Vdc			
Startup Voltage	200Vdc			
Max. Input Current per String	22A/20A	22A/20A	22A/20A	22A/30A
Short-circuit Current	27.5A/37.5A			
Number of Independent MPP Inputs	2+2	2+2	2+2	2+3
Max. inverter Backfeed Current to Array	0A			
Output (AC)				
Rated Power	15000W	17000W	20000W	25000W
Max. Apparent AC Power	16500VA	18700VA	22000VA	27500VA
Nominal AC Voltage	220V/230V/240V			
Nominal AC Voltage Range	50Hz/60Hz			
AC Power Frequency				
Max. Output Current	24 Aac	27.2 Aac	32 Aac	40 Aac
Power Factor	0.8 ind. 0.8 cap			
Total Harmonic Distortion (THD)	<3%	<3%	<3%	<3%
Feed-in Phases/Connection Phases	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE
Inrush Current(peak and duration)	3Apeak@7.0ms	3.2Apeak@7.0ms	3.5Apeak@6.5ms	3.5Apeak@7.05ms
Max. Output Fault Current	Integrated			
Max. Output Over Current Protection	Integrated			
Efficiency				
Max. Efficiency	>98.2%	>98.2%	>98.4%	>98.4%
European Weighted Efficiency	>97.5%	>97.6%	>97.6%	>98.1%
Protective Devices				
DC Reverse Polarity Protection	Yes			
DC Switch	Optional			
AC Over Current Protection	Yes			
Ground Fault Monitoring	Yes			
Grid Monitoring	Yes			
Residual Current Monitoring Unit	Yes			
General Data				
Dimensions (W / H / D)	508x640x203mm			
Weight	38 kg	38 kg	38 kg	38 kg
Operating Temperature Range	-25oC...+60oC			
Noise Emission (typical)	<=35dB(A)			
Max. Operating Altitude	>2000m derating			
Standby Losses	<1W			
Topology	Transformerless			
Cooling Concept	Fan Cooling			
Degree of Protection (according to IEC 60529)	IP 65			
Relative Humidity	0-100%, no condensation			
DC Connection Type	MC/Amphenol/Phoenix			
AC Connection Type	Plug-in connector			
Display	3.5 Inch LCD			
Interface	RS 485 (WiFi/GPRS Optional)			
Warranty	5/10 years(Optional)			
Certificates and approvals	VDE AR-N-4105, VDE 0126-1-1+A1, CE, G83/2, UTE C15-712, MEA, PEA, AS4777, NB/T32004-2013			

Monitoring Device

Presola Wi-Fi/GPRS Plug

Presola monitoring device supports WI-FI and GPRS communication. Its Bluetooth function enables local debugging upgrading to collect operation and power generation data of inverters. Pair with Presola profession platform to enable remote PV system monitoring and to realize distributed power station management with lower cost and higher efficiency.



Classification	Parameter	GPRS	WI-FI
Wireless Parameter	Operating Frequency	GSM850/EGSM900/DCS1800/DCS1900MHz	2.412GHz-2.48GHz
	Transmitting Frequency	Class 4(2W)GSM850,EGSM900 Class1(1W)DCS1800,PCS1900	802.11b:+16+/-2dBm(@11Mbps) 802.11g:+14+/-2dBm(@54Mbps) 802.11n:+13+/-2dBm(@HT20,MCS7)
	Near Field Communication		200m in outdoor open area without obstruction
	Data interface	RS232/RS485/TTL	RS232/RS485/TTL
	Operating voltage	DC4.5V~DC18.0V	
Hardware Parameter	SIM chip	Integrated patch SIM Chip (6mmX5mm)	
	Operating temperature	-40OC~+85OC	-40°C~+85°C
Software Parameter	Firmware upgrade	Remote upgrade	Remote upgrade
		Local Serial port-update (BluetoothBT3.0+EDR upgrade)	Local Serial port-update
Other		Real-time control, FTP	Real-time control, FTP



SOLARMAN APP



SOLARMAN PRO APP

MANAGE YOUR PV SYSTEM ANYWHERE

For meeting different needs of equipment manufacturers, distributors, installers, operators and investors, our monitoring system will achieve the life cycle management of power station, including the unified operation and maintenance of global multi-station, the remote monitoring of equipment and assets.

SOLARMAN(HOME)

New Energy with SolarMan, is a professional monitoring system platform managing power plants. It supplies power generation and consumption for end-users. It's convenient to visit real time and historical data via web or IOS & Android APP anytime and anywhere. This easy-to-use platform makes monitoring of PV systems simple and convenient, far reducing time and costs as well.

SOLARMAN(PRO)

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MEET MORE DATA NEEDS

- Monitoring global power stations/equipments
- Managing lifecycle of power station
- Analyzing health of assets

Focus on High-efficiency of Distributed PV System
Bring in New Vigor to New Energy Industry
Lead a Better Life with scientific technology

Generate Bv

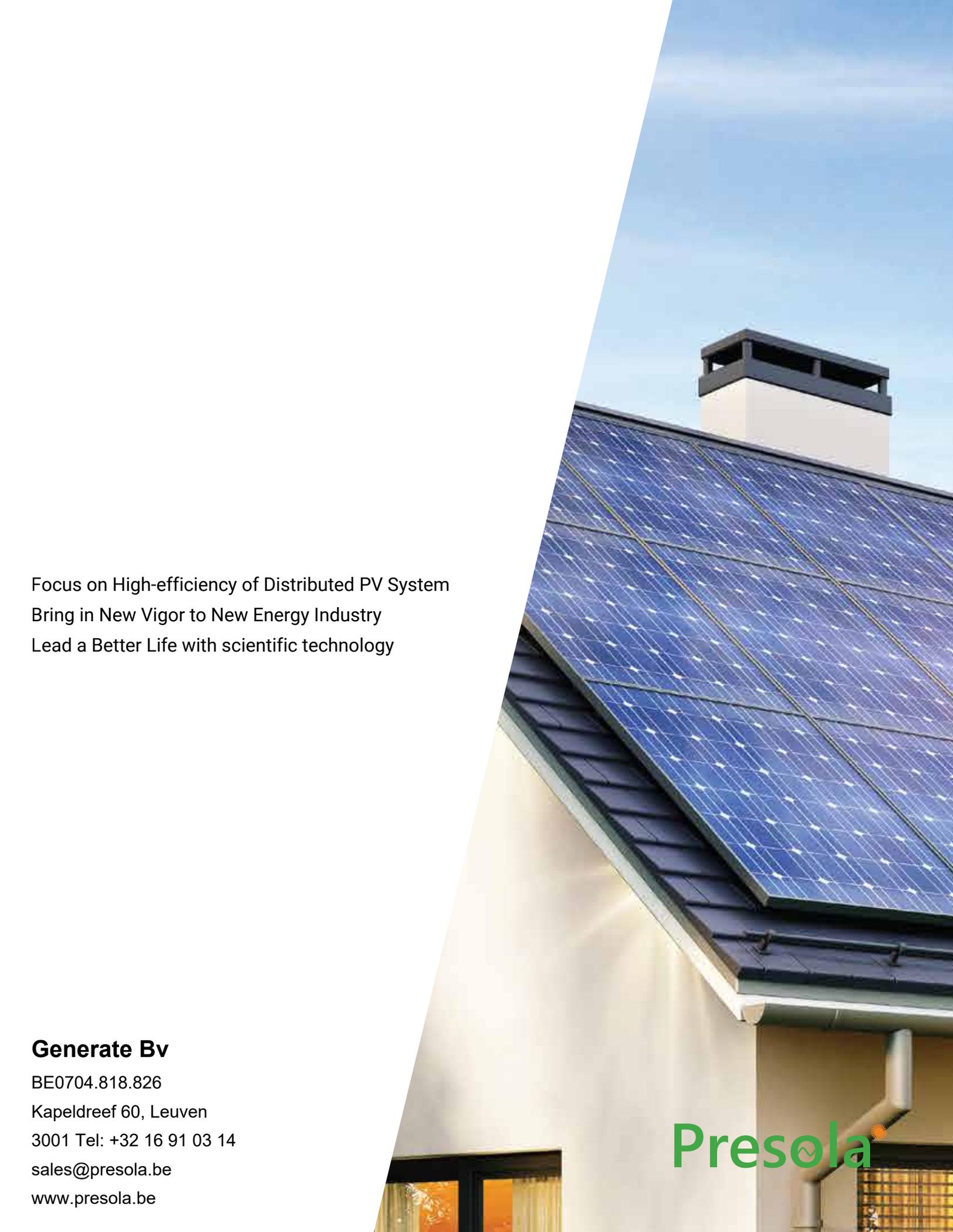
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