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

4KW-12KW
Three Phases 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-4K / 5K / 6K / 8K / 10K / 11K / 12KTL-DT

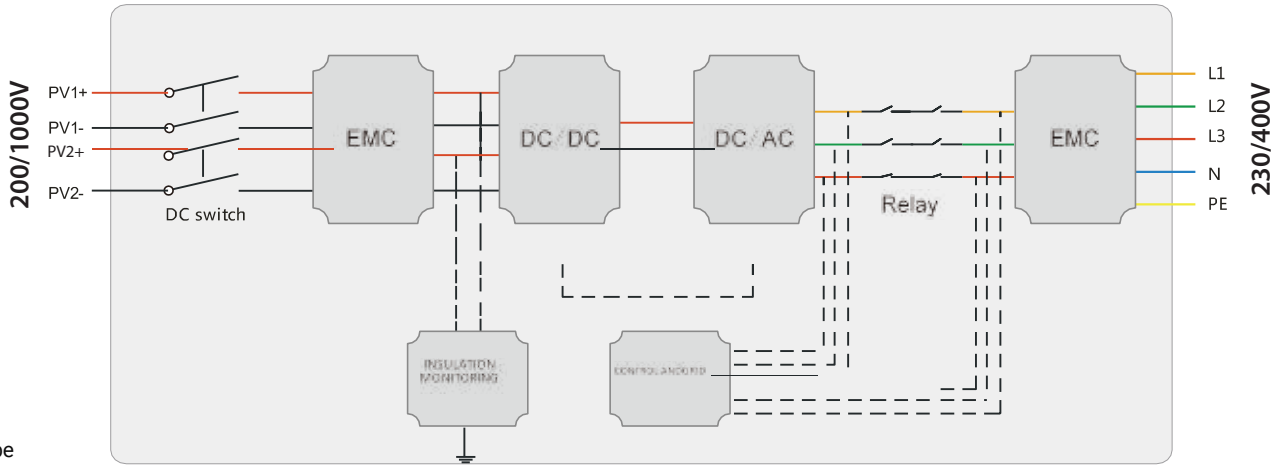
- Exquisite
- Trustworthy
- Intelligent
- Profitable

Presola

Modern design and cutting-edge technology

- Simple installation and maintenance
- Faster heat dissipation
- User friendly interface
- Resistant to adverse environmental conditions
- Components from world class suppliers
- Accurate real-time tracking in wide voltage/frequency ranges
- Longer MTBF (Mean Time Between Failures)
- Intelligent monitoring system
- High efficiency and reliability (up to 98.2%)

CIRCUIT DIAGRAM



Jupiter Series Three-phase String Inverters

PJ-4K / 5K / 6K / 8K / 10K / 11K / 12KTL-DT

TECHNICAL DATA

MODEL	PJ-4KTL-DT	PJ-5KTL-DT	PJ-6KTL-DT	PJ-8KTL-DT	PJ-10KTL-DT	PJ-11KTL-DT	PJ-12KTL-DT
Input (DC)							
Max. DC Power	4800W	6000W	7200W	9600W	12000W	13200W	14400W
Max. Input Voltage	1000Vdc						
MPP Operation Voltage Range/Nominal Input Voltage	200 - 950 Vdc / 600Vdc						
Startup Voltage	200Vdc						
Max. Input Current per String	11A/11A						
Short-circuit Current	13A/13A						
Number of Independent MPP Inputs	2						
Max. Inverter Backfeed Current to Array	0A						
Output (AC)							
Rated Power	4000W	5000W	6000W	8000W	10000W	11000W	12000W
Max. Apparent AC Power	4400VA	5500VA	6600VA	8800VA	11000VA	12100VA	13200VA
Nominal AC Voltage	220V/230V/240V						
AC Power Frequency	50Hz/60Hz						
Max. Output Current	6.4Aac	8.0Aac	9.6 Aac	12.8 Aac	15.9 Aac	17.5 Aac	19.1 Aac
Power Factor Range	0.8 ind. 0.8 cap						
Total Harmonic Distortion(THD)	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%	< 3%
Feed-in Phases/Connection Phases	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE	3W/N/PE
Inrush Current(Peak and Duration)	3.3Apeak@7.8ms	4.8Apeak@7.8ms	4.8Apeak@7.8ms	5.2Apeak@7.8ms	5.3Apeak@7.8ms	5.4Apeak@7.8ms	5.5Apeak@7.8ms
Max. Output Fault Current	Integrated						
Max. Output Overcurrent Protection	Integrated						
Efficiency							
Max. Efficiency	>98.0%	>98.0%	>98.0%	>98.1%	>98.1%	>98.1%	>98.2%
European Weighted Efficiency	>97.4%	>97.4%	>97.4%	>97.6%	>97.6%	>97.6%	>97.8%
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)	525x 410x190mm						
Weight	20.5 kg	20.5 kg	20.5 kg	20.5 kg	21 kg	21 kg	21 kg
Operating Temperature Range	-25°C ...+60°C						
Noise Emission (typical)	< =35dB(A)						
Max. Operating Altitude	>2000m derating						
Standby Losses	<1W						
Topology	Transformerless						
Cooling Concept	Natural Convection						
Degree of Protection (according to IEC 60529)	IP 65						
Protective class	Class I						
DC overvoltage-category	II						
AC overvoltage-category	III						
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, 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	Local Serial port-update
		(BluetoothBT3.0+EDR upgrade)	
	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

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