

Jupiter Series Three-phase String Inverters

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

- ◇ Exquisite
- ◇ Trustworthy
- ◇ Intelligent
- ◇ Profitable



FEATURES

- Components from world class suppliers
- Automotive class PCB technology
- Optimized thermal design
- Optimized algorithm
- Integrated enclosure & silicone rubber sealing
- Integrated air valve
- 1000 hours of neutral salt spray testing
- User friendly interface
- Intelligent monitoring system

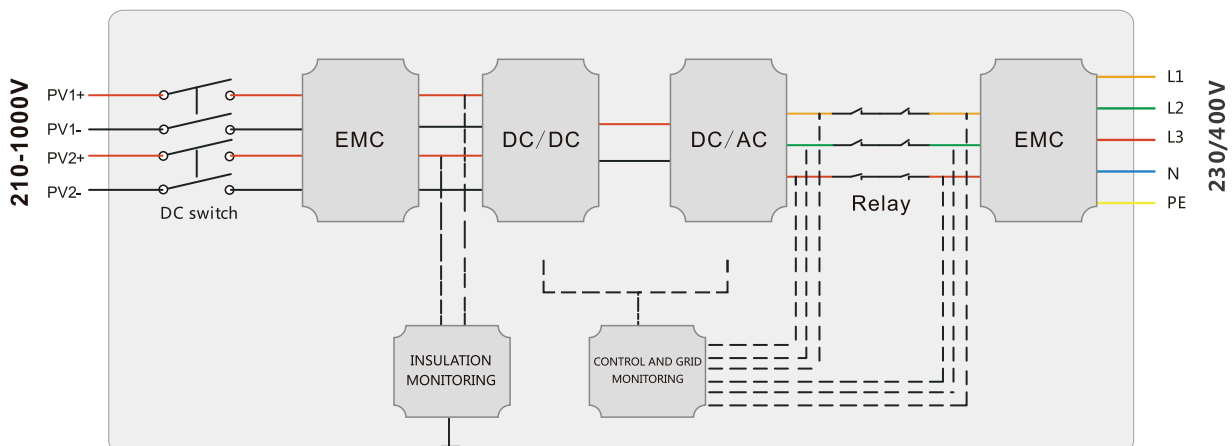
ADVANTAGES

- Longer MTBF (Mean Time Between Failures)
- Higher quality guaranteed
- Lower heat generation
Faster heat dissipation
- Accurate real-time tracking in wide voltage/frequency range
- High performance sealing possible
Less chance of moisture invasion
- Reduction of condensation
- Suitable for harsh environments
- Easy to operate
- Easy to manage and maintain

BENEFITS

- More electricity output
Less down time
- Reliable and stable under severe conditions
- Lower internal operation temperature
Longer component life
- High efficiency and reliability
- Reliable and stable under severe conditions
- Operationable in more applications: fishing ponds, agricultural area, greenhouses, coastal areas
- Easy installation and maintenance possible
- Data analysis
Less maintenance

CIRCUIT DIAGRAM



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TECHNICAL DATA

MODEL	PJ-15KTL-DT	PJ-17KTL-DT	PJ-20KTL-DT	PJ-25KTL-DT
Input (DC)				
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/30A			
Short-circuit Current	27.5A/37.5A			
Number of Independent MPP Inputs	2			
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			
AC Power Frequency	50Hz/60Hz			
Max. Output Current	24Aac	27.2Aac	32Aac	40Aac
Power Factor Range	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 Overcurrent 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	-25°C ... +60°C			
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			

*The AC voltage and frequency range may vary due to local regulations.