



Telecommunication base stations, network optimization, railway, post, public security, and other special network computer room systems

TPI Series

Telecom 48V Inverter

1-15KVA

www.itapower.it

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1-15KVA



Performance Characteristics

Unique anti-injection noise suppression technology

- Unique pre-filter design eliminates the impact, surge, sinking and noise interference to the power grid.

N+X redundant parallel technology

- High reliability the system does not require any additional parallel cabinet, parallel operation is realized by the internal microprocessor.
- Adopts non-master-slave current sharing mode with high-precision load sharing.

Intelligent monitoring interface

- Intelligent monitoring interface with RS485/RS232 interface or optional SNMP for remote monitoring

Direct use of the original DC system

Save system investment and reduce maintenance costs and can be well matched with cascade batteries.

Online design

Relay + SCR compensation: inverter functional switching will never cause load flicker Realize long-term backup of load equipment.

AC and DC dual-loop input design structure

No need to increase the capacity of the rectifier and provide full protection for critical load

highlights

① AC & DC dual loop input design

① N+X redundant parallel technology

① Relay + SCR compensation

Model	TLI10	TLI20	TLI30
Capacity	1kVA	2kVA	3kVA
INPUT			
AC Voltage	Single phase 220VAC/176 -250VAC(settable)		
Frequency	50Hz±5%		
DC Voltage	48VDC		
Relative Wideband Noise Current Back sinking At the Input	<10%		
Measurement Of Noise Current Relative To Telephone By Input Feedback	<2‰		
OUTPUT			
Voltage	Single phase 220VAC		
Frequency	50Hz±0.5% (inverter mode)		
Voltage Accuracy	±1%(inverter mode)		
Efficiency (Inverter Mode)	>90%		
THDu	<3% (linear load under full load)		
Dynamic Response	±3% (100% load change)		
Power Factor	0.8		
SYSTEM			
Noise	<55dB@1Meter		
Display	LED		
Alarm Function	Yes		
Communication Interface	RS485/RS232、 dry contact		
Protection Function			
Short Circuit	Yes		
Over Temperature	Yes		
Input Over Voltage	Yes		
Output Over Voltage	Yes		
Working Condition			
Temperature	0~40°C		
Humidity	0~95% (non-condensing)		
Optional			
Parallel Module	No		
SNMP	Optional		
Physical			
Structure	Rack		
Mechanical Index			
W (mm)	482.6		
D (mm)	350		
H (mm)	44.5 (1U)		
Weight (kg)	<10		

* Product specifications are subject to change without further notice