

PPLI Series

1~1 Phase

Line Interactive UPS

400VA-3000VA



About the PPLI Series

Perpetual Power proudly presents the PPLI Series Line-Interactive UPS - a high-performance, fully digital Uninterruptible Power Supply designed for critical applications. The PPLI Series incorporates advanced microprocessor control technology, ensuring intelligent operation and high reliability. It features a robust online double-conversion topology, providing consistent and clean power output regardless of input conditions. The system's DC/AC conversion is powered by SPWM (Sinusoidal Pulse Width Modulation) technology, delivering highly stable and pure sine wave output - ideal for sensitive electronic equipment.

Why Choose the PPLI Series?

Double Benchmark Power System Design Engineered with dual benchmark architecture to ensure unmatched performance and consistent power quality across various applications. High Reliability & Safety Protection Built-in comprehensive protection features against overload, short circuit, voltage fluctuations, and more - ensuring safety for both the UPS and connected devices. Microprocessor-Based Digital Control Advanced microprocessor technology enables intelligent monitoring and precise control for superior system performance and stability. Selectable Display Options User-friendly interface with LED or LCD display options for real-time system status, alerts, and diagnostics. Power-On Self Test (POST) Automatic self-diagnostic test at startup to verify system integrity and ensure reliable operation. Boost & Buck AVR (Automatic Voltage Regulation) Stabilizes output voltage by automatically increasing or decreasing voltage levels without switching to battery power-extending battery life. Power Supply Mode Standard configuration: Single Phase Input / Single Phase Output, suitable for home, office, and light industrial use.

Benchmark Design: PPLI Series

The PPLI Series is a pedometrical benchmark-designed power system, built to adapt seamlessly to a wide range of environments. With a selectable LCD or LED display, user-friendly interface, and multi-function keys, it ensures easy operation and real-time system monitoring. Designed with plug-and-play functionality, the system supports advanced multi-platform communication for enhanced connectivity and remote management. Its optimized thermal design includes strategically placed air vents on the front and side panels, ensuring efficient cooling and long-term performance.

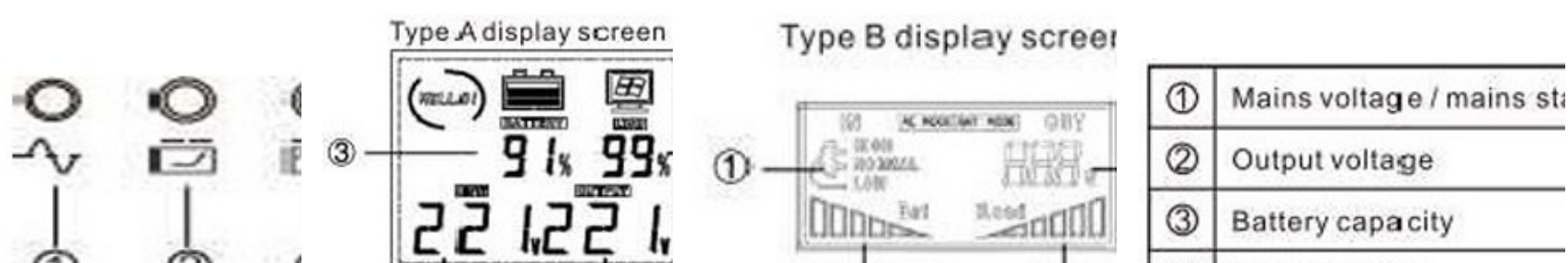


Microprocessor-based digital control

LED Display Screen Indicators - PPLI Series

The PPLI Series UPS features a clear and intuitive LED display screen with status indicators to keep users informed of operating conditions at a glance:

- Online (Green): Illuminates when the UPS is supplying utility (mains) power to the connected equipment.
- Battery Charge (Yellow):
 - Flashes during the battery charging process
 - Steady light when the battery is fully charged and ready
- On Battery (Red): Lights up when the UPS is supplying power from the battery (e.g., during a utility failure or outage)



Tremendous Benefits of Using Perpetual Power UPS

There are numerous compelling benefits to deploying a Perpetual Power UPS system. First and foremost, our UPS units provide critical protection against utility power failures, helping to safeguard sensitive equipment—such as computers, servers, and networking gear—from potential damage caused by power interruptions, surges, and fluctuations. In today's world, where power-related damages are increasing at an alarming rate, having a reliable backup solution is essential. Perpetual Power UPS offers an exceptional combination of affordability and quality, making it one of the most cost-effective and dependable power protection solutions on the market.

Key Features – PPLI Series UPS

- Microprocessor-Based Digital Control Ensures intelligent, precise operation and enhanced system reliability.
- Wide Input Voltage Range supports stable operation in fluctuating power conditions.
- Auto Frequency Sensing Automatically detects and adapts to 50Hz or 60Hz input frequency.
- Auto Restart When Power is restored automatically restarts the UPS when utility power returns, ensuring uninterrupted service.
- Cold Start Capability Allows the UPS to be powered on directly from the battery without utility input.
- Auto Phase Tracking Tracks the mains phase to synchronize inverter output with utility voltage, reducing transfer time and surge impact during switching.
- IBM – Intelligent Battery Management
 - Battery Temperature Compensation for longer battery life
 - Three-Stage Charging to shorten recharge time and enhance performance
- Automatic Charging in OFF Mode Charges the battery even when the UPS is turned off.
- Optional No-Load Shutdown automatically turns off the UPS when no load is connected, conserving energy.
- Optional USB Communication Port & RJ45 Protection Enables advanced connectivity and safeguards communication/network ports.
- Unattended Safety Shutdown UPS communicates with PC via USB interface for system alerts and automatic power on/off, ensuring safe shutdown in case of emergencies.

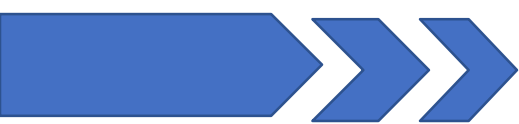
Rear Panel Overview – PPLI Series

1. Output Outlets (Selectable) multiple selectable output sockets for connecting critical equipment.
2. TEL/Modem/Fax Surge Protection (Optional) Protects communication lines from voltage surges, ensuring safe operation of telecom equipment.
3. USB Communication Port (Optional) Enables communication with a PC for monitoring, automatic shutdown, and power management.
4. AC Input Power input connection for utility supply.
5. AC Breaker Built-in circuit breaker for overload and short-circuit protection.
6. Cooling Fan Ensures efficient heat dissipation and maintains optimal operating temperature.

PPLI Series Specification– Line Interactive UPS



Application: Hotel, Residential, SOHO, Office, Education, IT & IT'es, Infrastructure



MODEL	PPLI400	PPLI600	PPLI800	PPLI1200	PPLI1500	PPLI2000	PPLI3000
Rating capacity	400VA	600VA	800VA	1200VA	1500VA	2000VA	3000VA
Load Capacity	240W	360W	480W	720W	900W	1200W	1800W
INPUT							
Phase ϕ	Single ϕ						
Rated Voltage	110Ṽ/110Ṽ/120Ṽ:80~150Vac;220Ṽ/230Ṽ/240Ṽ:162~295Vac(145~295Vac optional)						
Voltage Range	145~295Vactypical						
Frequency Rate	50Hz/60Hz						
Frequency range	40~70Hz(auto-sensing)						
OUTPUT							
Phase ϕ	Single ϕ						
Voltage Range	220/230/240Vac±10%						
Voltage Regulation	±10%(typical)						
Frequency-synchronized range	50~60Hz±1%(autosensing)						
Frequency-Battery mode	Mains mode: pure sinewave: simulated sinewave						
Transfer time	Typical 8ms,10msmax						
BATTERIES							
Features	Inbuilt Battery						
Type	VRLA AGM Sealed lead acid maintenance free battery						
Capacity	4.5AH	7AH	7AH/9AH*	7AH/9AH*	7AH/9AH*	7AH/9AH*	
Numbers	1Pc			2Pc			4Pc
Dc Voltage	12VDC			24VDC			48VDC
Charging Output VDC	13.5 ±0.6/Pcs						
EOD	10.5VDC/Pcs						
Typical Recharge time	6~8h						
SYSTEM							
Designed	Double benchmark-power system						
Power Cable	1.2meters*						
Quality/Security	CE,TUV,EN62040-1-1-1ISO9001:2015OHSAS18001BISROHS						
DISPLAYCONTROL							
Display	LCD OR LED						
LCD Display-Optional	Type A and Type B						
LED Display screen-optional	online(green),battery charge(Yellow),Onbattery(red)-variable						
Control Technology	Microprocessor						
MANAGEMENT-CONTRLANDCOMMUNICATIONS							
Output terminal	ITypeD(3pin)groundedand(TypeG,M,N,O,forinternationalmarketstandard)						
Output socket	3	3/4*	6			8	
IBM-Intelligent battery management	Battery temperature compensation to extend the battery life ; three stage charging to shorten recharge time						
Protections	Short-circuit, overload, battery overcharge, over discharge, surge protection (for network /fax/modem)						
SMARTRS-232USB(Optional)	Optional-Supports Windows2000/2003/XP/Vista/2008,Windows7/8/10,LinuxandMAC						
Interface	Bitrate:2400bps/Byte:8bit/Completioncode:1bit						
ENVIRONMENT							
Operating humidity	20~95%RH@0~45°C(non-condensing)						
Storage temperature	-25°C~55°C(exclude batteries)						
Noise level	≤45dB(1M)						
PHYSICAL							
Dimensions(mm)(W×D×H)	100x200x142	100x280x142		136x328x186		157x452x211	
Packaged dimensions (mm)(WxDxH)	139x242x210	139x325x210		185x374x269		238x536x295	
Net weight (kg)	3.3	4.2	4.9	8.8	9.4	10.2	19.3
Gross weight (kg)	3.5	4.7	5.3	9.4	10	10.8	20.6

***Accuracy weight±200gm
**Accuracy Dimension ±20mm
Derated capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208Vac
All Specifications are subject to change without notice
Custom-made specifications are acceptable

Our Clients



CENTRAL POLYTECHNIC COLLEGE



CUSAT



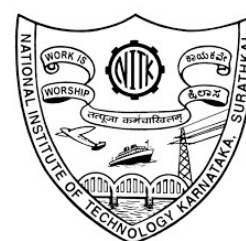
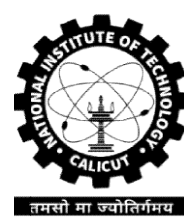
Government Engineering College



KSB CDC
KERALA STATE BACKWARD CLASSES DEVELOPMENT CORPORATION
(A Government of Kerala undertaking)

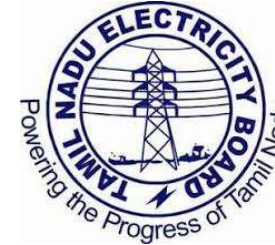
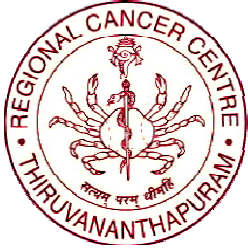


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