



EDIT
ELECTRONIC

Innovative Power Solutions &
Voltage Stabilizers

PCU Catalog

ENG

PCU

Uninterruptible Power Supply and Inverter



Key Features

- On-Line Double Conversion Technology
- Galvanic Isolation Transformer
- 2KVA-60KVA power range for Single phase
- 10KVA-200KVA power range for three phase
- IGBT and PWM technology
- Automatic By-Pass system
- Maintenance By-Pass Switch
- Internal Battery Option
- Extendable Battery Duration
- Operator Panel with LCD Display
- TS EN ISO 9001: 2015 Quality Certified
- It is produced on order

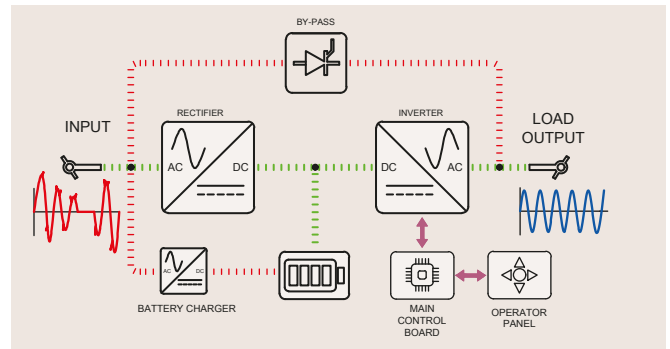
Optional Features

- Inverter application
- 48V-110V-160V-250VDC input options (for Invertors)
- 50Hz - 60Hz frequency option
- Adjustable Output Voltage option
- High capacity Battery Charging
- Redundant operation (only 2 pcs)
- Ethernet Web Server and Mod-Bus RTU interface



PCU Uninterruptible Power Supply

PCU uninterruptible power supply is an AC power supply designed to supply sensitive electronic devices and machines with constant voltage and constant frequency.



It has been developed to completely filter all kinds of disturbances in the grid voltage and to protect sensitive electronic devices against low voltage, high voltage and phase interruptions.

It uses the battery group to continue working in power cuts.

Galvanic isolation transformer provides 2500V isolation between network installation and sensitive electronic loads.

Design Features;

PCU uninterruptible power supply is produced with actual on-line Double conversion technology. It supplies power to output loads in sinusoidal waveform, constant frequency and constant voltage.

Automatic By-Pass Unit transfers the loads to the network without interruption in case of overload or fault.

Maintenance By-Pass switch is for operating the loads from the network in case of failure and maintenance. There may be an interruption during the Maintenance By-Pass process.

Applications

- ✓ Computer systems
- ✓ Office devices
- ✓ Sensitive electronic machines
- ✓ Industrial automation systems
- ✓ Security systems
- ✓ Audio and imaging system

Expandable Battery Capacity

The battery capacity of the PCU uninterruptible power supply can be increased. Battery capacity can be increased as desired by adding additional charging units. The charger uses the Constant Voltage/ Constant Current characteristic to operate the batteries for the longest time at peak performance.

Flexible and Durable

It has an easy installation feature, no calibration or adjustment is required during installation. It has a Wide Input Voltage range. It does not use batteries when the input voltage drops. It is resistant to electrical noises and voltage fluctuations in the network voltage. There is fuse protection for Input, Output and Battery. It can be customized in accordance with customer needs and produced in different technical specifications.



PCU Uninterruptible Power Supply has an ergonomic and user-friendly Operator Panel designed to monitor device parameters.

Operator panel has LCD display, mimic diagram, selection and application buttons and light signals.

Monitorable parameters: Input Voltages, Output Voltages, Load Percentage, Battery Voltage, Operating Frequency, Fault and error codes. Audible and light warnings

Please contact with sales representative for special production requests and the right solutions.



Technical specifications

PCU Uninterruptible Power Supply	
General Features	
Power (kVA)	In the range of 2KVA - 200KVA, at certain powers
Technology	Actual Double Conversion Technology with IGBT
Power Factor	0.70
Input	
Rated Input Voltage	220VAC 1Phase+Neutral+Ground 380VAC 3Phase+Neutral+Ground (Different voltage values are optional)
Voltage Tolerance	-%15 , +%15
Frequency	50 Hz. +/-%5 (60 Hz. optional)
Output	
Voltage Range	220VAC 1Phase+Neutral+Ground 380VAC 3Phase+Neutral+Ground (Different voltage values are optional)
Voltage Tolerance	+/-%1
Overload Capacity	For 125% 60sec., for150% 5 sec., for 200% 0.1 sec.
Efficiency	> 85%
THD	<3%
Transformer	Output Galvanic Isolation Transformer
By-Pass	Uninterruptible Static By-Pass and Maintenance By-Pass switch
Management Monitoring and Communication Interfaces	
Operator Panel	LCD Display Panel, Input Voltage, Output Voltage, Load Percentage, Frequency, Battery Voltage, Fault and Status information, Light and Audible Warnings
Remote Management Interface	Browser-based remote monitoring with Ethernet connection (optional)
Protection Functions	
Overload Protection	Electronic Overload Protection
Current Protection	Input Circuit Breaker and Output Circuit Breaker
Over Temperature Protection	Electronic Over Temperature Protection
Environmental Conditions	
Operating Temperature	-10 °C ~ +40 °C
Altitude Operating Height	1.500m
Humidity	90% none condensed
Cabinet Specifications	
Type-Protection Class	Specially designed cabinet, IP21 Indoor type
Paint-Color	Epoxy-Polyester Powder Paint RAL-7032
Cooling	Air cooling with thermostat controlled fan.

ORDER CODE

PCU-11P15-B240-xx-xx

Model _____
 Number of Phase _____
 Rated Power _____
 Options _____
 Battery Voltage _____