

# Single-Phase Online Uninterruptible Power Supply (UPS)

This single-phase online UPS protects sensitive electronic equipment from power outages and voltage fluctuations. It ensures continuous, clean power to connected devices.



## Overview

### High-Performance Online UPS

The MP1100 series is a professional-grade single-phase online UPS designed for critical power protection. Utilizing advanced DSP digital control and the sixth-generation IGBT technology, it ensures high reliability and stability for sensitive equipment. This system is engineered for diverse environments, including banking, telecommunications, and industrial automation, offering seamless power management and intelligent battery monitoring to extend service life.

## Technical Specifications

### Overload Capacity

|                                  |                                 |                                |                                |
|----------------------------------|---------------------------------|--------------------------------|--------------------------------|
| <b>115 %</b><br>Normal Operation | <b>125 %</b><br>10-Minute Limit | <b>150 %</b><br>1-Minute Limit | <b>200 %</b><br>1-Second Limit |
|----------------------------------|---------------------------------|--------------------------------|--------------------------------|

### Capacity Range

1KVA to 20 KVA

### Core Technologies

DSP Digital Control, Online Double Conversion, Sixth-Generation IGBT, SMD Technology, CPLD Programmable Logic

## Intelligent Features

### Battery Management System

- Automatic charging parameter adjustment
- Float charging conversion
- Temperature compensation
- Discharge management
- Monitoring interface integration

### System Protection

Input/Output Over-Voltage • Input Surge Protection • Phase Sequence Protection • Battery Overcharge/Discharge • Short Circuit Protection • High Temperature Protection

## Connectivity & Control

### Communication Tools

- RS232 Interface
- RS485 Interface
- Optional SNMP Card
- Optional Dry Contact Interface

### Operation Modes

- Standard UPS Mode
- ECO Energy Conservation Mode
- EPS Mode