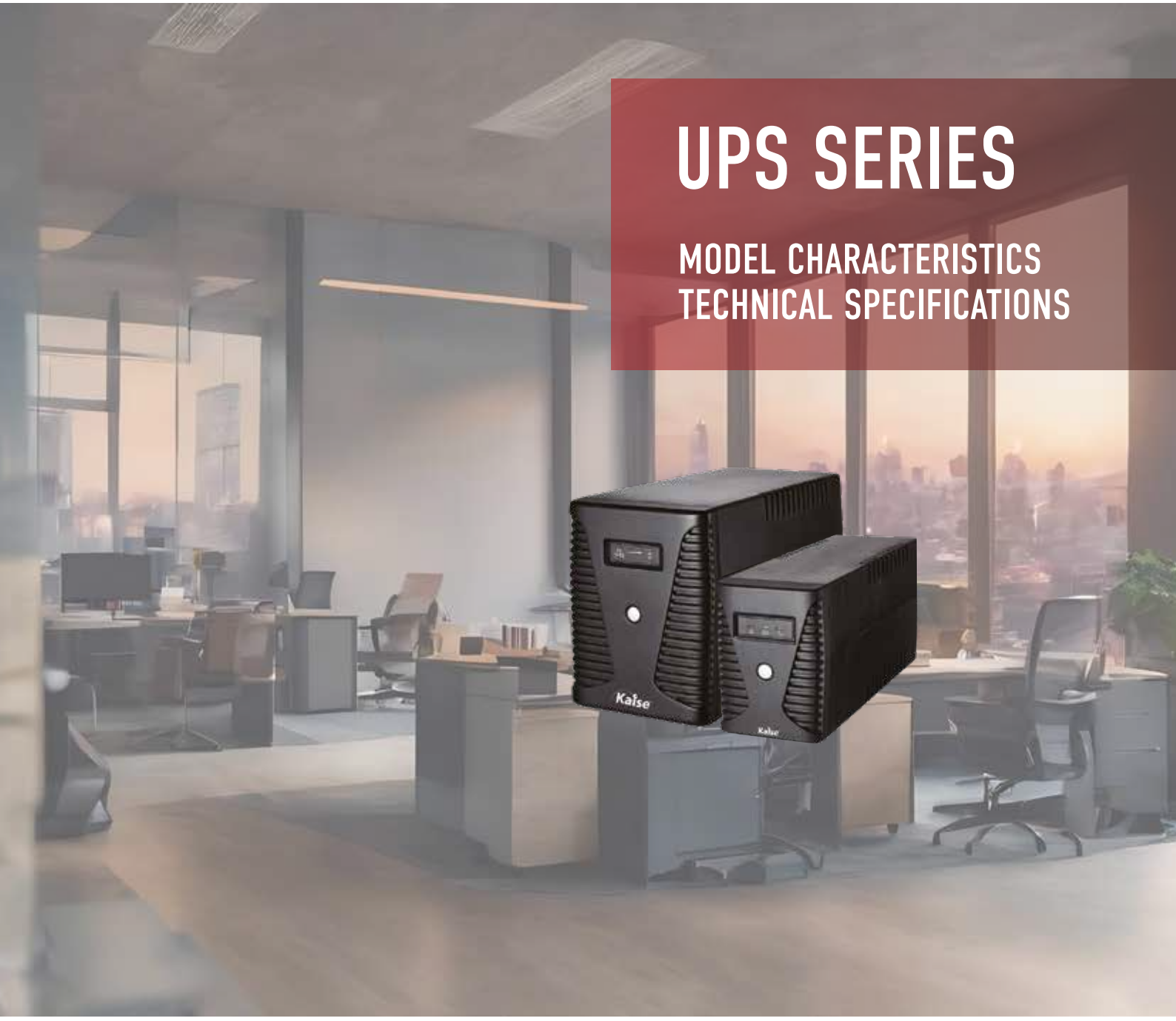
Kaise®



UPS SERIES

MODEL CHARACTERISTICS
TECHNICAL SPECIFICATIONS

Line Interactive UPS

UPS Series

Kaise®

Customer Focused, Quality Oriented

General introduction

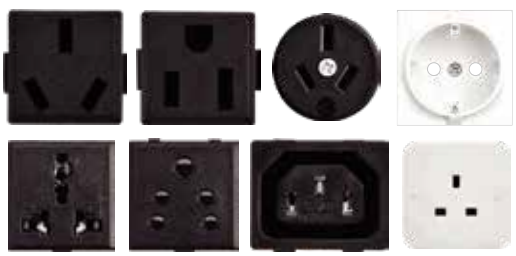
This UPS is specially designed for Personal Computer with multi-functions. Its light weight, compact design perfect fits tothe limited working environment. The line of UPS is equipped with one boost and one buck AVR to stablilize input voltage range. It is also built-in with DC start function. This funstion enables the UPS to be started up without AC power supply. Although it's a small UPS, the main features of UPS are listed below:

Features

- Line Interactive UPS with simulated sinewave output
- Excellent microprocessor control guarantees high reliability(Internal self-diagnostic technology)
- Boost and buck AVR for voltage stabilization (One boost and one buck control)
- Auto restart while AC is recovering
- Cold start function
- Off-mode charging
- Fast intelligent battery recharge function
- Offering LED and LCD panels for selections
- Optional Generator compatible
- Optional USB/RS232 communication port and RJ11 / RJ45 protection

LCD display

① AC input
② Output socket
③ USB & RJ11 communication
④ USB & RS232 communication
⑤ RJ45



Optional socket

Rear Panel

friendly tech

tempel group

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Technical Specifications

Model	UPSM800VAKAI	UPSM1500VAKAI	UPSM2000VAKAI
Capacity	800VA/480W	1500VA/900W	2000VA/1200W
INPUT			
Nominal Input Voltage	110/120 Vac or 220/230/240 Vac		
Operating Voltage Range	81～145 Vac/162～290 Vac		
Operating Frequency Range	60/50Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	±10%		
Frequency Range (Batt. Mode)	60/50Hz ±1 Hz		
Transfer Time	Typical 2-6ms, 10ms Max.		
Waveform (Batt. Mode)	Simulated Sinewave		
BATTERY			
Battery Voltage	12Vdc	24Vdc	
Battery Type & Number	12 V/9 Ah×1	12 V/9 Ah×2	12 V/9 Ah×2
Typical Recharge Time	4～6 hours recover to 90% capacity	6～8 hours recover to 90% capacity	
INDICATORS			
LED Display(LED version)	AC Mode, Battery Mode, Overload, Fault		
LCD Display(LCD version)	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Battery Low		
PROTECTION			
Full Protection	Short circuit, Overload , Overcharge and overdischarge protection		
ALARM			
Battery mode	Sounding every 10 seconds		
Low Battery	Sounding every second		
Overload	Sounding every 0.5 second		
Battery Replacement Alarm	Sounding every 2 seconds		
Fault	Continuously sounding		
MANAGEMENT			
Communication port	USB or RS232 (Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC)		
OPERATING ENVIRONMENT			
Humidity	0-90 % RH @ 0- 40°C (Non-condensing)		
Noise Level	Less than 45dB	Less than 55dB	
PHYSICAL			
Approx. Dimension (D×W×H)	298×101×142mm	380×158×198mm	
Approx. Net Weight	Approx. 4.9kg	Approx. 10.1kg	Approx. 10.5kg
Safety	IEC/EN 62040-1; IEC/EN 60950-1		
EMC	IEC/EN 62040-2; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8		
Performance	IEC/EN 62040-3		

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design

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