

— OFF-LINE (BACKUP) UPS

K Series 600 VA – 3 kVA



■ INTRODUCTION

The K Series is an entry-level off-line (backup) UPS that keeps PCs, workstations, POS terminals and small office equipment running through brownouts and blackouts. A wide 145–280VAC input window with automatic voltage regulation (AVR) corrects most mains disturbances without touching the battery, while a typical 2–6ms transfer rides through the switchover.

Cold-start capability, charging while the unit is off and generator compatibility make it a dependable safeguard for locations with unstable utility power. The K3000 adds a pure sine wave output for more sensitive loads.

■ KEY FEATURES

- Super wide mains input range (145–280 VAC)
- AVR — automatic voltage rise/drop adjustment for stable output
- Microprocessor control ensures reliable operation
- Mains restart function
- Automatic charging even when unit is off
- Cold start function
- Compatible with generators
- Modified sine wave output — pure sine wave on K3000

TECHNICAL SPECIFICATIONS

Parameter	K600	K1000	K1200	K2000	K3000
Capacity	600 VA / 360 W	1000 VA / 480 W	1200 VA / 720 W	2000 VA / 1200 W	3000 VA / 1600 W
Input Voltage 220 VAC · Input Voltage Range 145–280 VAC · Input Frequency 50 Hz					
Output Voltage (Battery Mode)	±10%				
Output Frequency (Battery Mode)	50 Hz ±1 Hz				
Transfer Time	Typically 2–6 ms, never more than 10 ms				
Waveform (Battery Mode)	Modified sine wave			Pure sine wave	
Battery	12V7Ah ×1	12V9Ah ×1	12V7Ah ×2	12V9Ah ×2	12V7Ah ×4
Charging Time to 90%	6 hours				4 hours
LED — AC Mode	Yellow on			Green on	
LED — Battery Mode	Yellow flashing			Red flashing	
ALARMS & PROTECTION					
Alarm — Battery Mode	Beeps every 6 s				
Alarm — Low Battery	Beeps every 1 s				
Alarm — Overload	Beeps every 0.5 s				
Alarm — Fault	Continuous beeping				
Protection	Overload, deep-discharge and over-charge protection				
PHYSICAL & ENVIRONMENT					
Dimensions D×W×H	335×87×143 mm		312×122×195 mm	360×122×195 mm	405×144×213 mm
Net Weight	4.4 kg	6.9 kg	8.4 kg	12.3 kg	17.6 kg
Operating Environment	RH 0–90%, 0–40 °C (no condensation)				
Noise	<40 dBA @ 1 meter				