



10 kVA

HETEOS 100 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

1 phase in / 1 phase out

GENERAL SPECIFICATIONS

- True online double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage
- Converter mode available
- Generator compatible
- Adjustable battery numbers only available for 6-10kVA models
- Adjustable charging current via LCD or software (1A~6A) only available for 6/10kVA models
- Emergency power off (EPO) function is only available For 6/10kVA models
- Comprehensive display allows easy monitoring and access to UPS status





Heteos 110

TECHNICAL SPECIFICATIONS

Australia: sales@heliosps.com.au - New Zealand: sales@heliosps.co.nz - Asia & Middle East: sales@heliosps.asia

MODEL		Heteos 110
Phase	1 Phase In / 1 Phase Out	
Capacity	10000VA / 9000W	
INPUT		
Nominal voltage	208/220/230/240 Vac	
Input voltage range	110-300 Vac (Based on Load at 50%) 176-300 Vac (Based on Load at 100%)	
Frequency range	46-54Hz or 56-64Hz	
Power factor	≥ 0.99	
OUTPUT		
Output voltage	208/220/230/240 Vac	
AC Voltage regulation	± 1%	
Frequency range	46 ~ 54Hz or 56 ~ 64Hz (Synchronized Range)	
Output Frequency Tolerance	50Hz or 60Hz ± 0.1 Hz (Batt. Mode)	
Short circuit characteristic	Electronic short-circuit protection, current limit to 2.2 times In for ≥ 100ms	
Harmonic distortion	≤ 1 % THD (Linear Load), ≤ 4 % THD (Non-linear Load)	
Transfer Time	AC Mode to batt. mode	Zero
	Inverter to bypass	Zero
Waveform (Batt. mode)	Pure Sinewave	
EFFICIENCY		
AC mode	93.5%	
Battery Mode	92%	
BATTERY		
Battery type	Valve Regulated Lead Acid (VRLA): 12V / 9AH	
Numbers	16 pcs/20 pcs	
Typical Recharge Time	9 hours recover to 90% capacity	
Charging current (max.)	1 A ± 10%	
Charging voltage	218.4 VDC ± 1% (16pcs) / 273 VDC ± 1% (20pcs)	
INDICATORS		
LCD Panel	UPS status control LEDs, command keys: Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM		
Battery mode	Sounding every 4 seconds	
Low battery	Sounding every second	
Overload	Sounding twice every second	
Fault	Continuously sounding	
PHYSICAL		
Dimension HxWxD (mm)	688x190x442	
Net Weight (kg)	66 kg (16pcs)/76 kg (20pcs)	
ENVIRONMENT		
Operating Temperature	0-40 °C	
Operating Humidity	<95 % and non-condensing	
MANAGEMENT		
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, 7/8/10, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	