

Online UPS · Smart 19" Series



Online double-conversion UPS in 19" rack format, with pure sine wave output, 1.0 power factor and zero transfer time. Dual row of IEC socket-outlets with configurable non-critical load and management via USB, RS232 or optional SNMP/HTTP.

Technical specifications	PH 8310	PH 8320	PH 8330
GENERAL			
EAN	0745604518666	0745604518659	0745604518642
Technology	Online double-conversion UPS		
Capacity (VA / W)	1000 / 1000	2000 / 2000	3000 / 3000
Format	19" rack		
Phase	Single-phase		
INPUT			
Voltage range (load dependent)	80–300 / 120–300 / 140–300 / 160–300 Vac		80–300 / 140–300 / 160–300 / 190–300 Vac
Corresponding load	0–30 % · 30–60 % · 60–80 % · 80–100 %		
Frequency range	40–70 Hz		
Power factor	0.99		
Cold start	Yes		
OUTPUT			
Output voltage	208 / 220 / 230 / 240 Vac ±1 % (configurable)		
Waveform	Pure sine wave		
Output frequency	50 / 60 Hz ±0.5 Hz		
Transfer time	0 ms		
Rated power factor	1.0		
Harmonic distortion (THD)	<3 % linear load · <5 % non-linear load		
Crest factor	3:1		
SOCKET-OUTLETS AND CONNECTIONS			
Output socket-outlets	8×IEC in 2 rows (top row = non-critical load NCL, switchable)		
Input	IEC inlet with earth		
Communication ports	1×USB · 1×RS232 · SNMP/HTTP slot (optional card) · EPO connector		
Management software	PowerMaster		
BATTERY			
Configuration	24 V	48 V	72 V
Cell type	Valve-regulated lead-acid (VRLA), 12 V / 9 Ah		
Recharge time	4 hours (typical, internal batteries)		
External battery module (EBM)	—	PH 8321	PH 8331
BUILT-IN FUNCTIONS			
Operating modes	Line · ECO · Converter · Battery · Bypass · Standby		
Self-test and auto-charge	Yes		
Automatic restart	Yes		
Overload recovery	Automatic		
Emergency power off (EPO)	Yes		
PHYSICAL AND ENVIRONMENT			
Dimensions H×W×D (mm)	88×438×430	88×438×430	88×438×610
Net weight (kg)	10.56	17.32	27.34
Operating temperature	0 – 40 °C		
Relative humidity	20–90 % non-condensing		

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