

HUBNETIX Pro Series

10~20kVA Uninterruptible Power Supply



PRO 3110B / 3110 / 3115 / 3120



Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <5%
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- High output power factor at 0.8PF
- Wide input voltage range: 208~478Vac
- Wide input frequency range (50Hz: 45~55Hz / 60Hz: 54~66Hz)
- Support generator input
- Support economic(ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card / Relay card / Parallel board
- Cold start

MODEL (PRO)	3110B	3110	3115	3120
Capacity (VA/Watts)	10k / 8k		15k / 12k	20k / 16k
INPUT				
Nominal input voltage	380 / 400 / 415Vac; (3Ph+N+PE)			
Operating voltage range	208~478Vac			
Operating frequency range	50Hz:45~55Hz; 60Hz:54~66Hz (auto sensing)			
Power factor	≥0.99			
Bypass voltage range	Max. voltage: 220V: +25%(optional +10%,+15%,+20%), 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min. voltage: -45% (optional -20%,-30%)			
Bypass frequency range	Frequency protection range: ±10%			
ECO range	Same as the bypass			
Harmonic distortion (THDi)	<5% (100% linear load)			
Generator input	Support			

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MODEL (PRO)	3110B	3110	3115	3120
OUTPUT				
Rated voltage	220 / 230 / 240Vac			
Voltage regulation	±1%			
Power factor	0.8			
Frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (optional)		
	Battery Mode	50 / 60 (±0.1)Hz		
Crest factor	3:1			
Efficiency	>92%		>93.5%	
Harmonic distortion (THD)	≤2% with linear load • ≤5% with non-linear load			
BATTERY				
Battery voltage	±96 / 108 / 120Vdc (optional)			
Capacity	12V / 38Ah (standard unit)			
Typical recharge time	6~8 hours (to 90% of full capacity)			
Charge current	1A (10kVA Standard unit); Max. current 10A (Long run unit) (charge current can be set according to battery capacity installed)			
SYSTEM FEATURES				
Transfer time	Mains to Battery: 0ms; Mains to Bypass: 0ms			
Overload Short circuit	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately		
	Bypass Mode	Breaker 63A	Breaker 100A	Breaker 125A
Short circuit	Hold whole system			
Overheat	Line Mode: Turn to Bypass; Bat. Mode: Shut down UPS immediately			
Low battery voltage	Alarm and Switch off			
Self-diagnostics	Upon Power On and Software Control			
Battery	Advanced Battery Management			
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault			
LED & LCD display	Line Mode, Bat. Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault			
LCD display	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time			
Communication interface	Dry contact, USB, SNMP card (optional), Parallel board (optional), Relay card (optional)			
ENVIRONMENTAL				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	0 ~ 95% (non-condensing)			
Altitude	< 1500m			
Noise level	<55dB		<58dB	
PHYSICAL				
Dimension DxWxH (mm)	597x250x655	502x250x616	502x250x616	
Net weight (kg)	76	35	45	46
STANDARDS				
Safety	IEC/EN62040-1;IEC/EN60950-1			
EMC	IEC/EN62040-2;IEC61000-4-2;IEC61000-4-3;IEC61000-4-4;IEC61000-4-5;IEC61000-4-6;IEC61000-4-8			

Ordering & Packaging Info

MODEL NUMBER	PART NUMBER	MODEL NUMBER	PART NUMBER
PRO 3110B	HP-P3110B	PRO 3115	HP-P3115
PRO 3110	HP-P3110	PRO 3120	HP-P3120

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The dimensions and specifications in this document are for reference purposes only and are subject to change without notice. Consult HUBNETIX Corp. for the latest dimensions and design specifications.

