

HUBNETIX Pro Plus Series

10~20kVA Uninterruptible Power Supply



PRO PLUS 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 0.9PF
- 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 PLUS)	3110B	3110	3115	3120
Capacity (VA/Watts)	10k / 9k		15k / 13.5k	20k / 18k
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 PLUS)		3110B	3110	3115	3120
OUTPUT					
Rated voltage		220 / 230 / 240Vac			
Voltage regulation		±1%			
Power factor		0.9			
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		>93.5%			>94.5%
Harmonic distortion (THD)		≤2% with linear load • ≤5% with non-linear load			
BATTERY					
Battery voltage		±96 / 108 / 120Vdc (optional)			
Capacity (standard unit)		12V / 7Ah			
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, Battery 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
BATTERY BANK					
Model		MP-BT Series			
Battery type & Maximum quantity		2x20pcs / 7Ah / (9Ah)			
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 PLUS 3110B	HP-PP3110B	PRO PLUS 3115	HP-PP3115
PRO PLUS 3110B	HP-PP3110	PRO PLUS 3120	HP-PP3120

HUBNETIX CORPORATION

71-75, Shelton Street, London, UK.
www.hubnetix.com

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.

