

HUBNETIX Elite M Series

6~200kVA Modular Uninterruptible Power Supply



Elite M 1106K30 / 1106K50 / 3106K30 / 3106K50 / 3106K100 / 3310K100 / 3310K200



Features

- High frequency and double conversion on-line technology
- Advanced PFC technology
- 3U frame, rack-mounted and tower convertible
- EPO function
- Wide input voltage range
- Fully digitized microprocessor control
- Parallel redundancy
- Advanced battery management
- Lightning and surge protection, short circuit and overload protection
- Multilingual LCD and LED display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot

Elite M Series

6~200kVA Modular Uninterruptible Power Supply



MODEL (ELITE)		M 1106K30	M 1106K50	M 3106K30	M 3106K50
Capacity (VA/Watts)	UPS Cabinet	6~30k / 4.8~24k	6~50k / 4.8~40k	6~30k / 4.8~24k	6~50k / 4.8~40k
	HPM Module	6k / 4.8k	6k / 4.8k, 10k / 8k	6k / 4.8k	6k / 4.8k, 10k / 8k
INPUT					
Nominal voltage		220/230Vac		380/400Vac (3Ph+N+PE) or 220/230Vac	
Operating voltage range		120~276Vac		208~478Vac or 120VAC-276Vac	
Operating frequency range		40~70Hz			
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%			
Harmonic distortion (THDi)		≤5%(100% non-linear load)			
Generator input		Support			
OUTPUT					
Output voltage		220/230Vac			
Voltage regulation		±1%			
Power factor		0.8			
Capacity (VA/Watts)	Line Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)			
	Battery Mode	50/60(±0.1)Hz			
Crest factor		3:1			
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load			
Efficiency		≥93.5%			
BATTERY					
Battery voltage		±96/±108/±120Vdc; battery quantity(optional)			
Charge Current(A)	UPS Cabinet	30 (Max.)			
	HPM Module	6 (Max.) (charge current can be set according to battery capacity installed)			
Backup time		Depends on the capacity of external batteries			
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			
	Battery Mode	Load≤110%:last 10min ;Load≤125%:last1min ;Load≤150%:last10second ;Load>150%:last1second			
	Bypass Mode	Breaker (6kVA:40A / 10kVA:60A)			
Short circuit		Hold whole system			
Communication interface		UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2(SNMP card,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			
PHYSICAL					
Dimension DxWxH (mm)	UPS Cabinet	600x840x1400		600x840x1400	
	HPM Module	580x443x131 (3U)			
Net weight (kg)	UPS Cabinet	138	150	138	150
	HPM Module	6kVA/23kg; 10kVA/25kg; 15kVA/30kg; 20kVA/31kg			
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			

Elite M Series

6~200kVA Modular Uninterruptible Power Supply



MODEL (ELITE)		M 3106K100	M 3310K100	M 3310K200
Capacity (VA/Watts)	UPS Cabinet	6~100k / 4.8~80k	10~100k / 9~90k	10~200k / 9~180k
	HPM Module	6k / 4.8k, 10k / 8k	10k / 9k, 15k / 13.5k, 20k / 18k	
INPUT				
Nominal voltage		380/400Vac (3Ph+N+PE) or 220/230Vac		380/400/415Vac, (3Ph+N+PE)
Operating voltage range		208~478Vac or 120VAC-276Vac		208~478Vac
Operating frequency range		40~70Hz		
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%		
Harmonic distortion (THDi)		≤5%(100% non-linear load)	≤2%(100% non-linear load)	
Generator input		Support		
OUTPUT				
Output voltage		220/230Vac	380/400/415Vac, (3Ph+N+PE)	
Voltage regulation		±1%		
Power factor		0.8	0.9/1 (Customized)	
Capacity (VA/Watts)	Line Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)		
	Battery Mode	50/60(±0.1)Hz		
Crest factor		3:1		
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load		
Efficiency		≥93.5%	≥95.5%	
BATTERY				
Battery voltage		±96/±108/±120Vdc; battery quantity (Optnl)	±192/±204/±216/±228/±240Vdc; battery quantity (optional)	
Charge Current(A)	UPS Cabinet	60 (Max.)	30 (Max.)	60 (Max.)
	HPM Module	6 (Max.) (charge current can be set according to battery capacity installed)		
Backup time		Depends on the capacity of external batteries		
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		
	Battery Mode	Load≤110%:last 10min ;Load≤125%:last1min ;Load≤150%:last10second ;Load>150%:last1second		
	Bypass Mode	Breaker (6kVA:40A / 10kVA:60A)	Breaker (10kVA: 20A / 15kVA: 32A / 20kVA:40A)	
Short circuit		Hold whole system		
Communication interface		UPS cabinet : RS232, RS485, Dry Contact, Intelligent slot x 2 (SNMP card, 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	<65dB	
PHYSICAL				
Dimension DxWxH (mm)	UPS Cabinet	600x840x2000	600x840x1400	600x1100x2000
	HPM Module	580x443x131 (3U)		
Net weight (kg)	UPS Cabinet	213	170	270
	HPM Module	6kVA/23kg; 10kVA/25kg; 15kVA/30kg; 20kVA/31kg		
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		

Elite M Series

6~200kVA Modular Uninterruptible Power Supply



Ordering & Packaging Info

MODEL NUMBER	PART NUMBER	MODEL NUMBER	PART NUMBER
EM 1106K30	HP-EM1106K30	EM 3106K100	HP-EM3106K100
EM 1106K50	HP-EM1106K50	EM 3310K100	HP-EM3310K100
EM 3106K30	HP-EM3106K30	EM 3310K200	HP-EM3310K200
EM 3106K50	HP-EM3106K50		

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.

