

MODULAR POWER

40KVA -1000KVA

Three Phase :Three phase
Module 40/50kVA (3U)



TELECOM-
MUNICATIONS
DEVICES



LOCAL AREA
NETWORKS
(LAN)



E-BUSINESS
(Servers Farms,
ISP/ASP/POP)



SERVERS



CASH
REGISTERS



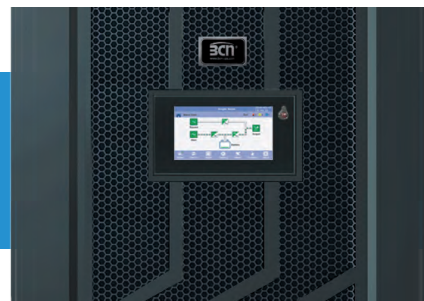
EMERGENCY
SECURITY

Highlights

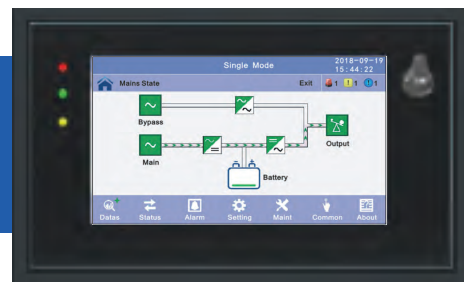
- Modular design, power module, bypass module, monitoring unit are hot-swappable
- High input/ Output power factor= 1 (input 0.999)
- Wide input voltage range (138~485Vac)
- On-line double conversion with DSP control design
- 3-Level inverter, IGBT PFC, high efficiency is up to 95.8%
- Support connecting to unbalance load
- Support maximum 6 units in parallel
- Intelligent fan speed regulation
- No derating for PF>= 0.5 inductive load and capacitive load
- Battery number 30-50 pcs settable
- Common Battery Bank
- LBS function, compliance class A requirement
- Loop parallel signal control system, avoid any single failure
- Flexible Dual & Separate input source configuration
- Multiple communication interface : RS232, RS485, BMS, Parallel, LBS, Dry contact port, Relay card (optional), SNMP card(optional)
- Battery temperature sensor(optional)
- High power density design, requirement smaller footprint space
- Structured design easy for maintenance



TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555



LCD TOUCH SCREEN



(7"/10.4" Touch screen LCD)

MODULAR POWER

40KVA - 1000KVA

Three Phase :Three phase

Module 40/50kVA (3U)



TELECOM-
MUNICATIONS
DEVICES



LOCAL AREA
NETWORKS
(LAN)



E-BUSINESS
(Servers Farms,
ISP/ASP/POP)



SERVERS



CASH
REGISTERS



EMERGENCY
SECURITY



Cabinet Model

Model

HPM3300E-320-40
HPM3300E-400-50

Model

HPM3300E-400-40
HPM3300E-500-50
HPM3300E-600-50

Model

HPM3300E-1000-50



MODULAR POWER

40KVA - 1000KVA

Three Phase :Three phase

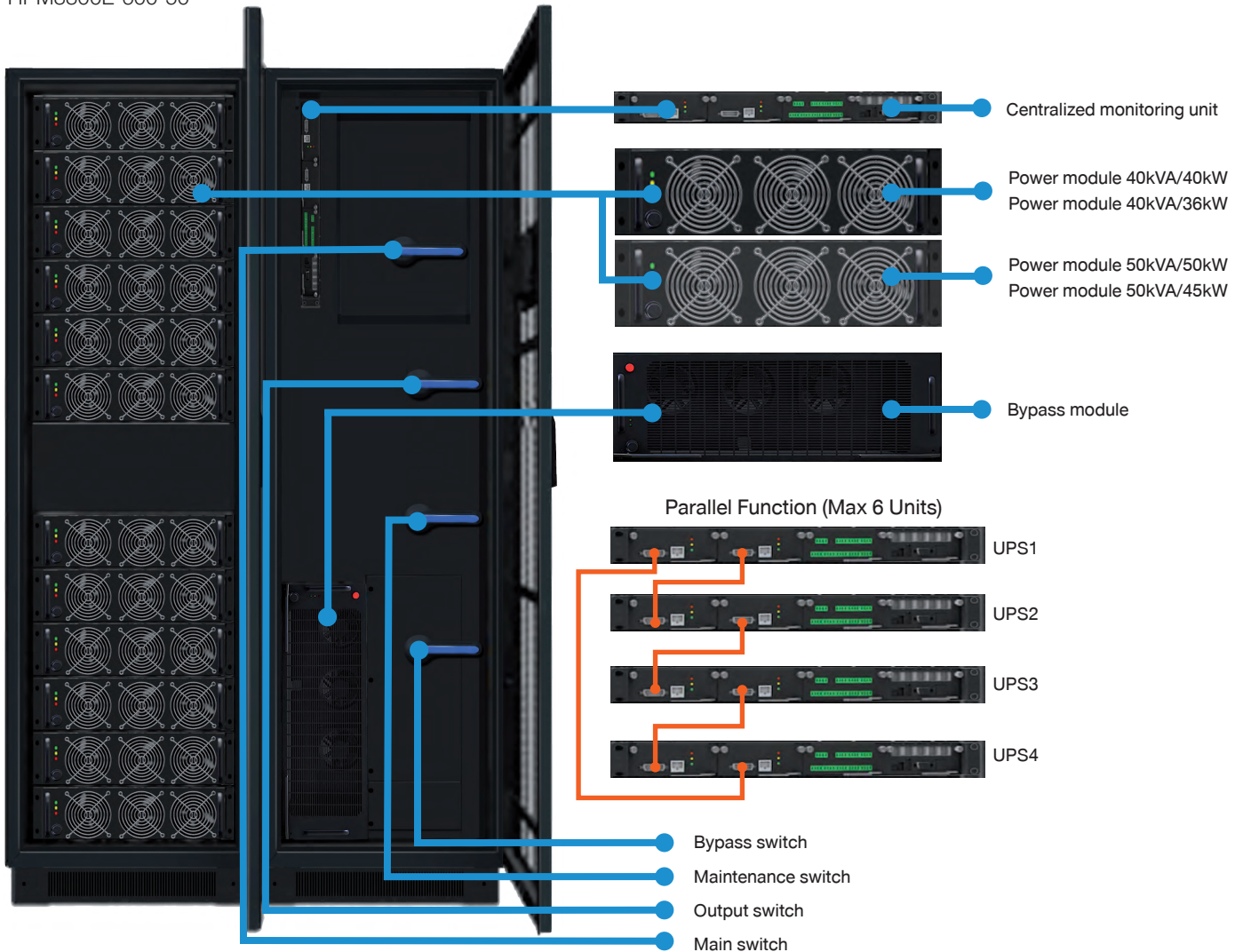
Module 40/50kVA (3U)



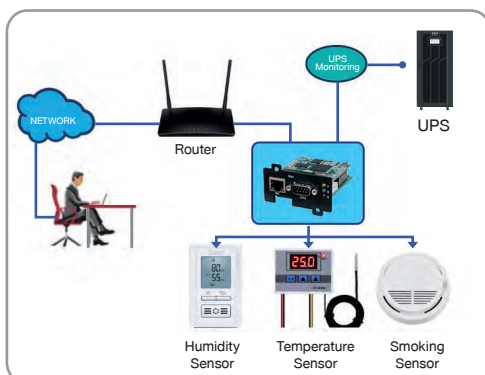
Sturcture

Model
HPM3300E-600-50

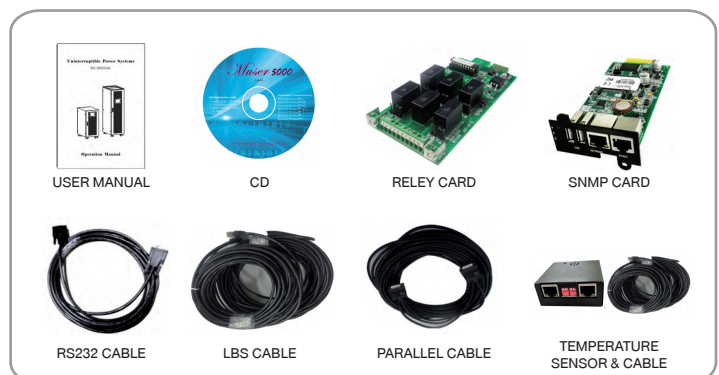
Flexible Modular Design (3U) (Depend on Customer)



Intelligent SMNP Monitoring



Accessories (Option)



Your choice of power protection

TELECOM-
MUNICATIONS
DEVICESLOCAL AREA
NETWORKS
(LAN)E-BUSINESS
(Servers Farms,
ISP/ASP/POP)

SERVERS

CASH
REGISTERSEMERGENCY
SECURITY

MODULAR POWER

40kVA - 1000kVA

Three Phase :Three phase

Module 40/50kVA (3U)

Model		HPM3300E series 40-1000k	
Cabinet Model		HPM3300E-200/320/400	HPM3300E-200/300/400/500/600/800/1000
Module capacity (kVA)		40	200/300/400/500/600/800/1000
Cabinet capacity (kVA/kW)		200/320/400	50k
Max. number		5/8/10	4/6/8/10/12/16/20
INPUT			
Nominal voltage		380/400/415Vac, (3Ph+N+PE)	
Operating voltage range		138~305Vac for 40% load; 305~485Vac for 100% load	
Operating frequency range		40Hz~70Hz	
Power factor		≥0.99	
Frequency tracking speed(Hz/s)		1	
Harmonic distortion (THDi)		≤3% (100% linear load)	
Bypass voltage range		Max. voltage:220V: +25% (optional+10%, +15%, +20%); 230V: +20% (optional +10%, +15%); 240V: +15% (optional +10%) Min. voltage: -45% (optional-10%, -15%, -20%, -30%)	
Bypass frequency range		Frequency protection range: 10%	
Power Walk In		Support	
Generator input		Support	
OUTPUT			
Rated voltage		380/400/415Vac, (3Ph+N+PE)	
Power factor		1.0	
Voltage regulation		±1%	
Output frequency	Line mode	Synchronize with input, when the input frequency >10% (1%/2%/3%/4%/5% optional), output 50/60 (0.1Hz)	
	Bat. mode		
Crest factor		3:1	
Harmonic distortion (THDv)		Linear load : ≤1%;Non linear load : ≤3%	
Efficiency		up to 96%	
BATTERY			
Battery voltage		Optional Voltage:±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional); 360Vdc~600Vdc (30~50 pcs, 36 pcs default, 36~50 pcs no power derating; 32~34 pcs output power factor 0.9; 30 pcs output power factor 0.8)	
Power module charge current		20A (Max.)	
SYSTEM FEATURES			
Transfer time		Utility to Battery : 0ms; Utility to Bypass: 0ms	
Overload	Line mode	≤110%, 60min; ≤125%, 10min; 150%, 1min; to bypass. > 150% Shut down Immediately 135% overload for long term; >1000% overload for 100 ms Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately Alarm and Switch off	
	Bypass mode		
Overheat		Upon Power On and Software Control	
Low battery voltage		Support	
Self-diagnostics		Shut down UPS immediately (turn to bypass optional)	
Backfeed protection		Advanced Battery Management	
EPO (optional)		Complies with EN62040-3	
Battery		Line Failure, Battery Low, Overload, System Fault	
Noise suppression		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault	
Audible & visual alarms		Input, Output, Battery, Command, Setting, Maintenance	
Status LED & LCD display		RS232, RS485, Parallel, LBS, BMS, Dry contact port, Relay card(optional), SNMP card(optional), Battery temperature sensor(optional)	
Reading on the LCD display			
Communication interface			
ENVIRONMENTAL			
Operating temperature		0°C ~ 40°C	
Storage temperature		-25°C ~ 55°C	
Humidity range		0 ~ 95% (non condensing)	
Altitude		<1500m, derating required when >1500m	
Noise level		<68dB	<73dB
PHYSICAL			
Dimension W×D×H (mm)	UPS cabinet (S / F)	200/320kVA: 600×850×2000 400kVA: 1200×850×2000	200/300/400kVA: 600×850×2000 500/600kVA: 1200×850×2000 800/1000kVA: 2000×850×2000
	Power module	440× 620× 130	
Net weight (kg)	UPS cabinet (S / F)	210~460	200kVA: 240; 300kVA: 260; 400kVA: 290; 500kVA: 480; 600kVA: 540; 800kVA: 960; 1000kVA: 1050
	Power module	33	34
STANDARDS			
Safety		IEC/EN62040-1, IEC/EN62477-1	
EMC		IEC/EN62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC610	00-4-5, IEC61000-4-6, IEC61000-4-8)

Specifications are subject to change without prior notice.

S: Without or only with one maintenance bypass breaker

F: With mains, bypass, maintenance bypass and output breakers

- All specification subject to change without notice.
- Custom-made specification are acceptable.
- Manufactured by factory with
ISO 9001, ISO 14001, OHSAS 18001, CE, STANDARD

TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555