BROCHURE

MICRO-MODULE INTEGRATED CABINET SYSTEM

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NPW Micro Modular Cabinet System hereinafter to be referred as NPC, it's an integrative cabinet-type micro data center, which developed by NPW according to the latest trend in global IT system development. It's built precision air condition, UPS, monitoring units, PDU, KVM in one cabinet or multi cabinets. The use of this system provides such advantages as: less construction investment of IT system, rapid development of core works, environmental friendliness and energy saving, etc.

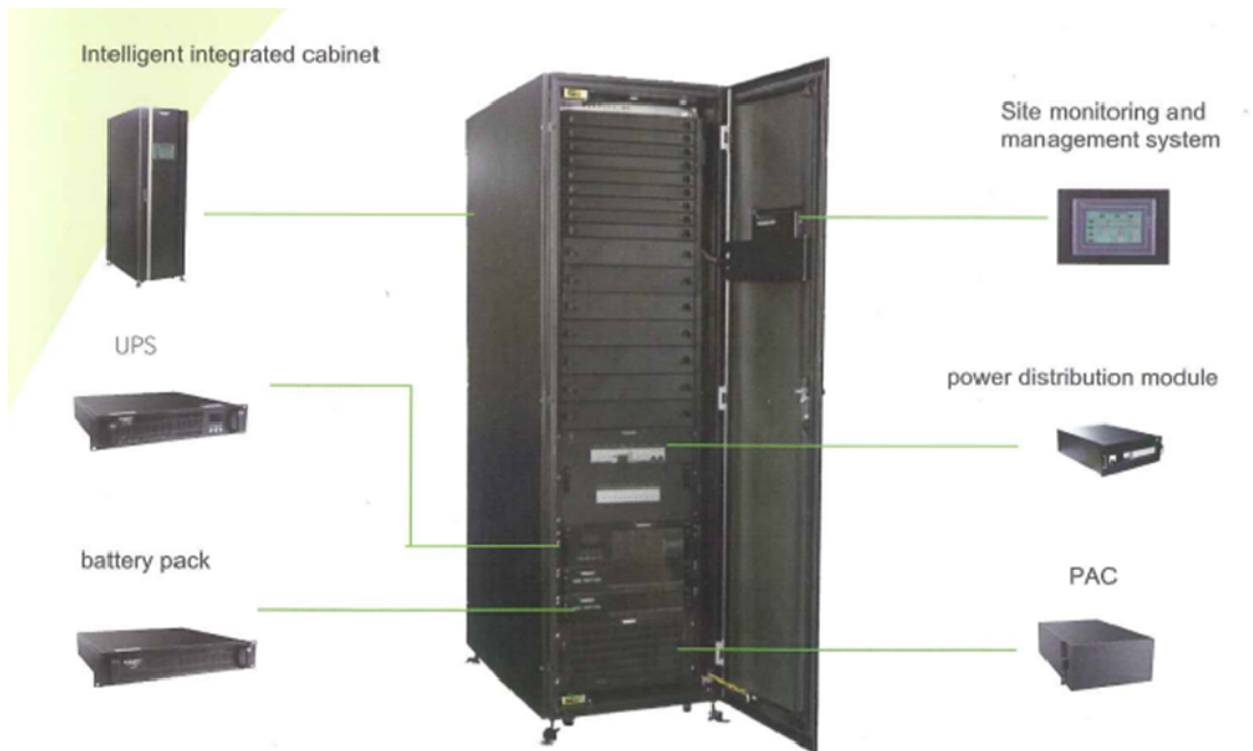NPC1006 SINGLE CABINET

NPC1010 DOUBLE CABINET

NPC1015 THREE CABINET

NPC8015 THREE CABINET

MICRO-MODULE INTEGRATED CABINET SYSTEM

Intelligent integrated cabinet

Site monitoring and management system

UPS

power distribution module

battery pack

PAC

↪ Product Features:

- High efficiency: Efficient and energy - saving
- Modularity: Modular UPS + Battery, extendibility
- Intelligence, visibility: Intelligent design of Monitoring and Management System
- Isolation of internal and external module, anti-dust and dehumanization
- Rapid Development: No need engineering survey, plug and play, facilities the operation with one-stop development
- Environmental and energy management, operation optimization, PUE maximum
- Cloud Computing: Network connections management, parallel or multi network
- Precision Cooling System, Energy - Saving: Precision Cooling, Central Air Condition needless, cost reduction
- Standard Cabinet: Standard Aluminum frame structure EIA-310-D, easy installation within 5-minutes
- All-in-One: Integration of Rack, Air Condition, UPS, PDU monitoring and on-site management system, etc.

NPW MICRO MODULE INTEGRATED SYSTEM TECHNICAL

Module	NPC1006	NPC1010	NPC1015	NPC8015
System recommended load power	3.5kW	7kW	10.5kW	3.5kW
Recommended input air-switch configuration	Single-phase	Single-phase	Three-phase	Single-phase
	100A	125A	80A	100A
Recommended input cable configuration	Single-phase	Single-phase	Three-phase	Single-phase
	16mm^2	25mm^2	10mm^2	16mm^2
Precision air conditioner				
Air conditioning form	Split-type air conditioner			Top rack air contioner
Cooling capacity (KW)	3.5kW	5kW	9kW	3.5kW
Air volume	750mm^3/h	1100mm^3/h	1950mm^3/h	750mm^3/h
Energy efficiency ratio	3.7kW			
Using environment	-45~50ºC ; 0%~90%RH			
Indoor unit dimensions (WxDxH) mm	440x750x220(5U)		440x750x440	600x1100x350
Outdoor unit dimensions (WxDxH) mm	300x850x575		450x1200x700	No outdoor unit
Input power	220V/50Hz			
Air flow	Up flow / Down flow			Down flow
UPS				
Wiring	Single phase in and single phase out		Three phase in and single phase out	Single phase in and single phase out
Capacity	6kVA	10kVA	15kVA	6kVA
Input voltage range	110VAC~300VAC		176VAC~520VAc	110VAC~300VAC
Power factor	>0.99			
Output voltage	220/230/240VAC			
Voltage accurancy	±1%			
Frequency accurancy	50/60Hz±0.1Hz			
Power factor	0.8			
Conversion time	0ms			
Waveform distortion	Linear load ≤2%; Non-linear load ≤3%			
Panel display	Load size, battery capacity, utility mode, bypass mode, fault mode			
Communication interface	Support RS232, RS485, SNMP Card			
WxDxH (mm)	2U	3U	6U	2U
Net weight (kg)	12	16	45	12
Battery				
Standard battery	12V/7AH			
Backup time	Standard ≥10min (long delay can be external battery)			
Battery pack size	2U			
Power distribution module				
Function	Integrated input distribution, UPS output distribution			
Way of communication	RS485			
Specification	3U		6U	3U
HMI				
Temperature and humidity detection port	Support			
Way to communication	Support RS232, RS485 and TCP/IP protocol			
Display screen	10" Touch Colour Screen			

NPW MICRO MODULE INTEGRATED SYSTEM TECHNICAL

PDU	NPC1006	NPC1010	NPC1015	NPC8015
Input current	Single phase 16A			
Output bits	12-bit 10A Universal socket			
Installation method	Vertical installation			
Communication display	Digital display, RS485 communication			
Configuration type	One pcs per cabinet			
KVM				
Visual area	17 inches			
Configuration	Optional			
Cabinet				
Function	Installation, insulation, built-in hot and cold channels, support automatic bounce door function			
Single cabinet size (WxDxH) mm	600x1100x2000			
Cabinet configuration	Single cabinet	Two cabinets	Three cabinets	Single cabinet
Load (kg)	1500			
Environmental monitoring				
Temperature and humidity	Support			
Leakage	Support			
Smoke	Support			
Fire module (optional)	1U height (1 set per cabinet)			