



*a power just feels right .....*



# Modular Uninterruptible Power Supply



## CHARACTERISTICS

### High efficiency online double conversion technology

Online double conversion technology to reach its high performance over 94.5% at 50% load. It significantly reduces overall Total Cost of Ownership (TCO).

### High scalability

DSP control provides an improved solution with high performance. Integrated with modular design and parallel technology for future power expansion.

### Unity output power factor (KVA=KW)

Unity output power factor 1.0 (kVA=kW) providing the maximum power capacity to mission critical loads. It satisfies the requirements of the latest servers and optimizes IT investment.

### Modular design lowers MTTR

Modular design is applied in power module, STS module and battery module. It will simplify maintenance and replacement with low MTTR (Mean Time To Repair).

### N+1 or N+X parallel redundancy for power guarantee

Scalable architecture allows you to optimize cost expense to meet power demands by vertically expanding in single rack and achieve N+1 or N+X redundancy in the same rack.

## Applications

To protect critical equipment telecommunications, computers, PLC, medical equipment, security systems, etc.

### Ease of installation and maintenance

Built-in maintenance bypass assures continuous power to critical loads during UPS maintenance. Besides, to facilitate installation and maintenance, all panel control and connectors are front accessibility.

### Flexible battery configurations adapts different applications

Battery numbers can be adjusted flexibly. It will adapt different power demands and shorten system downtime. Battery voltage can be set from 32 to 40 pieces per string.

### Highly reliable operation with redundant power supply in STS

UPS Kenjitsu provides 2 power supplies in STS, ensuring no risk of shutdown.

### User-adjustable charging current

Adjustable charger current (6A or 8A) charging current for every power module and it's user-adjustable based on requirement.

### High overload capability

It supports 110% overload for 60 minutes, 125% for 10 minutes, and 150% for 1 minute.

### Graphic LCD display design for easy management

Designed for easy management, the intuitive design of 10" graphic LCD display enhances the readability of identified and advanced configuration.



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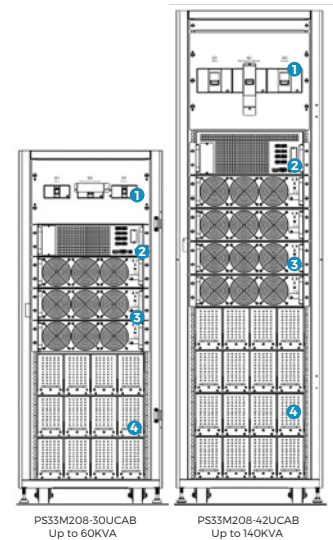
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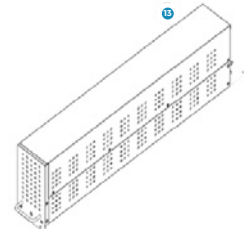
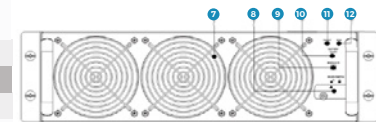
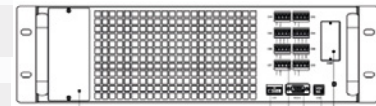
KENJITSU

## KENJITSU UPS, POWER SAN SERIES

MODEL	PS33M208-30UCAB	PS33M208-42UCAB
Phase	3-phase in / 3 phase out	
Cabinet Capacity*	60KW	140KW
Battery Type	Built-in / External Battery	
Power Module [PS33M208-20K]	20KVA/20KW	
Max. Power Module No.	3	8
Max. Battery Set No**	3pcs for 60KW	4pcs for 80KW
<b>INPUT</b>		
Nominal Voltage	3 x 208 VAC (3Ph+N)	
Voltage Range	121 ~ 253 VCA at 0% - 60% load; 182 ~ 253VCA at <100% load	
Nominal Frequency	50/60Hz (Auto sensing)	
Frequency Range	40Hz ~70Hz	
Power Factor	1.0	
Harmonic Distortion (THDi)	< 3% @ 100% load	
<b>OUTPUT</b>		
Nominal Voltage	3 x 208/220 VAC (3Ph+N)	
Voltage Regulation (Steady state)	≤ ± 1% Typical (balanced load) ≤ ± 2% Typical (unbalanced load)	
Voltage Regulation (Transient)	≤ ± 5% Typical	
Nominal Frequency	50/60Hz	
Frequency Range (Synchronized range)	46Hz - 54Hz o 56Hz - 64Hz	
Overload Capability	1 hour for 110%, 10min for 125%, 1min for 150% , 200ms for >150%	
Power Factor	1.0	
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 4% THD (Non-linear Load)	
Efficiency	Up to 92.5% at over 50% load	
<b>BATTERY / CHARGER</b>		
Nominal Voltage	±120V (12V x 20 pcs)	
Floating Charge Voltage	2.3V / Cell	
Boost Charging Voltage	2.35V / Cell	
Temperature Compensation	Yes	
Maximum Charging Current	8A for each power module (Adjustable)	
<b>PHYSICAL</b>		
Cabinet Dimension (D x W x H) mm	1100 x 600 x 1475	1100 x 600 x 2010
Net Weight (kg)	670.5 (for 60KW)	537 (for 140KW)
<b>ENVIRONMENT</b>		
Operation Temperature	0 ~ 40°C	
Relative Humidity	0 ~ 95% (non-condensing)	
Altitude ***	<1000m	
IP Class	IP 20	
<b>MANAGEMENT</b>		
RS-232/USB Port	Supports Windows 2000/2003/XP/Vista/2008/7, Linux y MAC	
Optional SNMP	Power management from SNMP manager and web browser	
<b>STANDARDS</b>		
Safety	UL1778, CSA C22.2 No. 107.3-05	
EMC	FCC Part 15,Subpart B Class A	



- 1 Switch unit
- 2 STS & Control module
- 3 Power Module 20KVA/20KW
- 4 Battery Module





- STS Module**
- 1 Extra Comm. Slot
- 2 LCD Port
- 3 RS232 Port
- 4 USB Port
- 5 SNMP Slot
- 6 Dry contact ports
- Power Module**
- 7 Fan
- 8 Ready Switch
- 9 DIP switches
- 10 Battery Start Button
- 11 Fault LED
- 12 Run LED

\*When temperature is above 30°C, the output power factor will be de-rated 0.9 at 31°C-35°C and 0.8 at 36°C-40°C.

\*\* One battery module contains 10 pcs of 12V/7.2Ah or 12/9Ah sealed lead acid batteries in one tray. One complete battery set contains 4 battery modules.

\*\*\*If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

	Power and Battery Module	Description	Dimension DxWxH (mm)	Weight (Kg)
	PS33M208-20K	Power Module: 3Ph, 20KVA/20KW	490x130x736.5 (3U)	34.5
	Battery Module	Battery Module: 10 pcs of 12V/9Ah batteries	710x107x154	26

AUTHORIZED DEALER:



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