



Mistral

Onduleur online monophasé double conversion - 1 à 10 KVA

Code HS : 85040



TRANSPORT



SOHO



E-MEDICAL



INDUSTRY



EMERGENCY



DATA CENTER

Multifonction : Rack, Tour, Simple et Longue Autonomie

Cette serie d'onduleur présente plusieurs caracteristiques que l'on retrouve usuellement dans des gammes séparées.

Ces modeles sont **online double conversion**, avec un **facteur de puissance de 0.9**, **convertibles rack/tour**, utilisent des **packs batteries additionnels plug and play** qui vous permettent de choisir facilement votre autonomie et offrent également des **extensions réseau SNMP, AS400** ou encore **BMS**.

Comme les autre onduleurs, **ils vous protegent des coupures de courant, surtensions, sous tensions, foudre et distorsions harmoniques diverses.**

- Design Convertible Rack/Tour
- L'écran breveté Mimic LCD peut être tourné simplement en pressant le bouton de devant
- Un affichage compréhensif donne un accès simple aux paramètres.
- Smart SNMP fonctionne avec USB
- Rendement jusqu'à 90%
- Modules additionnels simples a installer
- Support multifonction
- Armoire de batteries (Optionnel)
- Facile à entretenir
- Batteries remplaçables à chaud
- Vrai Online Double Conversion
- Haut facteur de puissance à 0.9
- Power Shedding : Prioritisez vos charges critiques
- Estimation de temps restant affiché sur l'écran LCD
- Soutien économique (ECO)
- Mode de fonctionnement
- Pack de batteries de remplacement
- Chargeur optionnel puissant
- Demarrage à froid
- Arrêt d'urgence
- Mode convertisseur de fréquence réglable
- Charge critique de batterie de secours



REMOTE CONTROL SOFTWARE



LCD SCREEN



PLUG AND PLAY



IEC PLUG C13/C14



HOT SWAP BATTERIES



USB PLUG



CONVERTIBLE RACK TOUR



ONLINE DOUBLE CONVERSION
TECHNOLOGIE

Avantages

1 Rotating display screen



With LCD plus LED displays, the user may easily get UPS status and its operational parameters, such as input/output voltage, frequency & load%, battery % and ambient temperature, etc..

2 Additional batteries / batteries hot swap



Hot-Swap battery allows you change battery/ies in a UPS without shutting down the load. A maximum of four (4) battery cabinets can be added in the UPS (Plug and Play) Each External Battery Cabinet (EBC) include its own charger.

3 UPS monitoring and automatic shutdown software



The software is compatible with Novell Netware, Windows 2000/XP/Vista/7, Windows server 2003/2008/2012, Linux, FreeBSD and Mac. Support SEC Protocol & USB Interface.

4 Intelligent port slots



The use of the SNMP agent, BMS and AS 400 makes it easier in management features such as: • Setting up and programming extinctions etc.

5 Digital Control



This series UPS is controlled by Digital Signal Processor (DSP); hence, it increases reliability, performance, self protection, self-diagnostics and so on.

6 Rack and Tower



The machine can be installed in both horizontal (rack) and vertical (tower) position depending on the user. It is a 2-in-1 design for a simplified installation.

7 Intelligence charging method



The series UPS adopts three-stage charging method: advanced 1 st stage: 2 nd stage: 3 rd stage: High current constant current charging to guarantee to charge back to 90%. Constant Voltage in order to vitalize battery and make sure batteries are fully charged. This series UPS is controlled by Digital Signal Processor (DSP); hence, it increases reliability, performance, self protection, self-diagnos

8 1 phase in / 1 phase out



It is 1-Phase In/ 1Phase Out high-density UPS system, of which input current is kept in balance. No unbalance problem might occur.

9 Rails (options)



4-Post Rack-Mount Installation of Mistrals • Supports UPS systems in 4-post rackmount applications • Temporary placement pegs simplifies single-person installation

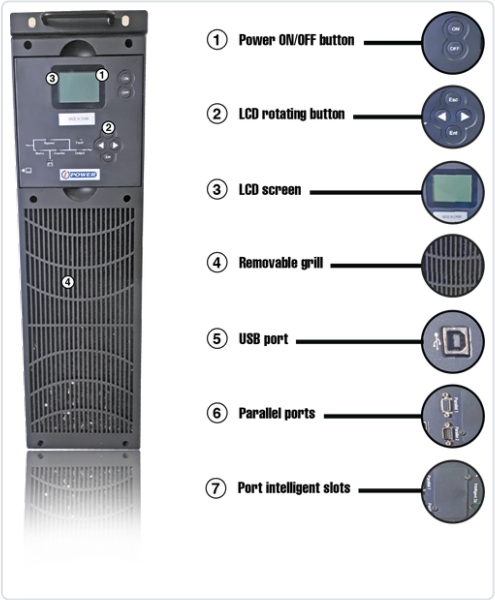
10 Emergency power off (EPO)



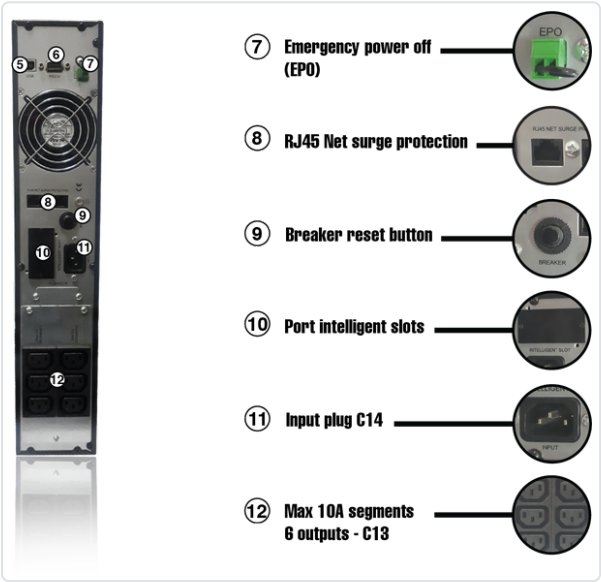
The Emergency Power Off (EPO) button, also called an EPO switch or EPO panel, is a safety measure for quickly disconnecting electrical power to a particular piece of equipment, or to an entire facility, in the event of an emergency



Mistral 6 KVA - Back



Mistral 6 KVA - Front



Mistral 1 KVA - back



Mistral 1 KVA - front

Spécifications Mistral

DESCRIPTION	MISTRAL 1 KVA	MISTRAL 2 KVA	MISTRAL 3 KVA	MISTRAL 6 KVA	MISTRAL 10 KVA
Capacity	900(W)	1800(W)	2700(W)	5400(W)	9000(W)
INPUT					
Input voltage	220/ 230/ 240 Vac (P+N+T)				
Operating input voltage	120 – 276 Vac				
Operating frequency range	45 – 55 Hz/ 54 – 66 Hz ± 0.5 Hz				
Input power factor	≥ 0.98		≥ 0.99		
Bypass voltage range	Max voltage.: +15% (optional +15%, +10%, +25%) Min voltage.: -45% (optional -15%, -20%, -30%) Protected frequency range: ±10%			220V ± 25% (optional +10%, +15%, +20%) 230: +20% (optional +10%, +15%) 240: +15% (optional +10%) Min voltage: -45% (optional -20%, -30%)	
Bypass frequency range	± 10%				
Total Harmonic Distortion (THD)	≤ 3% (Linear mode) ≤5% (Non linear mode)		≤ 3% (100% Linear mode)		
Generator input	Supported				
OUTPUT					
Output voltage	220/ 230/ 240 Vac (Adjustable)				
Power factor	0.9				
Voltage regulation	±2%				
Frequency (Online mode)	50 or 60Hz			±1%/ ±2%/ ±4%/ ±5%/ ±10% Rated frequency (optional)	
Frequency (Battery mode)	≤5% (Non linear mode)			50/ 60 (±0.1) Hz	
Crest factor	3:1				
Total Harmonic Distortion (THD)	≤ 2% (Linear mode)/ ≤ 5% (Non linear mode)				
Wave form	Pure Sinewave				
BATTERY					
Battery voltage	Optional voltage (±96/ ±108/ 120 VDC)				
Typical recharge time	6-8 hours (90% of full capacity)				

Backup time	Long run unit depends on the capacity of external batteries. Estimated remaining time displayed on front LCD
Charge current	Max current: 10A, charge current can be set according to battery capacity installed

SYSTEM FEATURES

Transfer time	Utility to battery: 0ms – Utility to bypass: 0ms				
Overload (Linear mode)	Load ($\leq 110\%$ last 60min/ $\leq 125\%$ last 10min/ $\leq 150\%$ last 1sec/ $>150\%$ turn back to bypass mode				
Overload (Battery mode)	10A input breaker	15A input breaker	20A input breaker	40A input breaker	60A input breaker
Short circuit	Hold whole system				
Overheat	Line mode: switch to bypass – Backup mode: switch down the UPS immediately				
Low battery voltage	Alarm and switch OFF				
Self diagnostic	Upon power ON and software control				
Battery	Advanced (smart) battery management				
Noise suppression	Complies with EN62040-2				
Audible & visual alarms	Line failure, battery low, Overload, system fault				
Status Led & LCD display	Line mode, backup mode, ECO mode, Bypass mode, Battery low, Battery bad, Overload & UPS fault				
Reading on the LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery back-up time				
Communication interface	USB, RS232, Parallel port, SNMP card, Relay card (optional)				

ENVIRONMENT

Operating temperature	0 - 40 °C			
Storage temperature	-25 °C – 55 °C			
Humidity range	0 – 95% (non condensing)			
Altitude	<1500m			
Noise level	<55dB			

PHYSICAL

Dimensions (l x h x p) mm	440x86.5x430	440x86.5x696	443 x 131 x 580 (3U)	
Weight (Kg)	12	32	56	62

STANDARDS

Security	IEC/ EN62040 – 1 IEC/ EN60950 – 1			
EMC	IEC/EN62040-2, IEC6100-4-2, IEC6100-4-3, IEC6100-4-4, IEC6100-4-5, IEC6100-4-6, IEC6100-4-8			



IPower International Ltd [🌐](https://www.ipower.re)

Adresse : BPML Freeport Zone 6, Mer Rouge, Port Louis, Republic of Mauritius.

Téléphone : +230 5988 1999/ +230 5988 9080/ +230 5940 92 68

Fax : +230 216 6628

Courriel : sales@ipower.re - info@ipower.re

Uninterruptible Power Supply (UPS), Automatic Voltage Regulator (AVR), Isolating Transformers & Maintenance free 12Vdc VRLA batteries manufacturer, distributor, installer & service provider

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