

MARS ONLINE UPS

Isolation Based 3 Phase in - 1 Phase out



Available in
5-20kVA

FEATURES

- **DSP based design Pure Sine Wave.**
- **Ethernet based monitoring(Optional).**
- **Robust Design-20years Product Life.**
- **High Efficiency & high Reliability.**
- **User Friendly Display.**
- **Available from 5KVA to 20KVA.**
- **High Surge Capability (up to 300%) for starting Heavy Load.**
- **Tested as per IEC 61683 & IEC 60068-2 (1,2,14,30) standards.**
- **AC & DC Parameter Configurable from LCD.**

MARS ONLINE UPS

Isolation Based (3 Phase in - 1 Phase out)

TECHNICAL SPECIFICATION

INPUT						
Power Rating	5kVA	6kVA	7.5kVA	10kVA	15kVA	20kVA
DC Voltage	240V/360V					
Voltage Range	400 ± 20% Three Phase four wire					
Frequency	50Hz ± 10%					
Power Factor	>0.92					
Charge Topology	Buck					
Connection Type	Terminal Block					
GRID CHARGING						
Switching Devices	IGBT					
Switching Freq.	16KHz					
No. Of Charger Controller	One					
Charger Topology	Buck					
OUTPUT						
Voltage	220V/230V/240V±1% (Selectable from LCD)					
Load Current Per Phase	17.4A	20.87A	26.08A	34.78A	52.17A	69.56A
Efficiency (AC-AC)	>90%@Full Load					
Frequency	50Hz(Default)					
Waveform	Pure Sine Wave					
Transient Response	<8 (10%~90% Liner Load)					
Voltage Harmonics	<3% Linear Load					
Overload Capacity	100 to 110%-10min., 110 to 120%-2min.; 120 to 150%-30sec; 150 to 200%-2sec; 200 to 300%-1sec.; 300 to 400%-250msec; >400%-20-30msec.					
Crest Factor	3:1					
Voltage Regulation	±1%					
Frequency Regulation	±0.05Hz					
Connection Type	Terminal Block					
AUDIBLE WARNING						
Alarm	Battery Low, Battery High, Overload, Mains Present.					
DISPLAY						
LED	#UPS ON #Mains Chg. #Overload #Output High/Low #Battery High/Low #Chg. Overheat # AC Input High/Low R,Y,B #Fault #Bypass (Optional)					
LCD (20x4)	#Input Voltage & Freq. R,Y,B #Output Voltage, Freq. & Load% #Battery Voltage #Charging Current, #Working Status.					
PROTECTIONS						
Parameters	#Output Overvoltage/Undervoltage, #Overload, #Output Shortcircuit, #Battery Overvoltage/Undervoltage, Input Overvoltage /Undervoltage, Thermal					
COMMUNICATION & MANAGEMENT						
Remote Monitoring	Ethernet(Optional)					
MISCELLANEOUS						
Transfer Time	0msec					
Extended Battery Chg.	Optional					
Caster Wheels	Yes					
ENVIRONMENTAL						
Operating Environment	0-50°C					
Operating Relative Humidity	(5%-95%) Non-Condensed					
Storage Environment	0-75°C					
Storage Relative Humidity	0-95%					
Degree of Protection	IP20					

*Specification are subject to change without prior notice due to constant improvement in design & technology.

Pentaapower Solutions

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