

MARS ONLINE UPS

Isolation Based 3 Phase in - 3 Phase out



Available in
5-20kVA

FEATURES

- DSP based design Pure Sine Wave.
- Ethernet based monitoring(Optional).
- Thermal Protection.
- Robust Design-20years Product Life.
- Noiseless in Operation.
- 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 - 3 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	380V/400V/415V±1% (3Phase - 4wire)					
Load Current Per Phase	5.8A	6.95A	8.7A	11.6A	17.4A	23.2A
Efficiency (AC-AC)	>90%@Full Load					
Frequency	50Hz					
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					
COMMUNICATION & MANAGEMENT						
Remote Monitoring	Ethernet(Optional)					
MISCELLANEOUS						
Transfer Time	0msec					
Extended Battery Charging	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 Protection	IP20					

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

Pentaapower Solutions

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