

SINCE 1995



|| Sarthi ||[®]

ON LINE UPS

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 7.5KVA to 100KVA
- 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



TRUE ONLINE UPS

Isolation Based 3 Phase in - 3 Phase out

Available in
7.5-100KVA

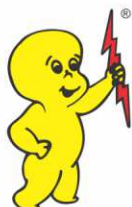


Sarthi Powertronics LLP
www.sarthipowertronics.com



INPUT									
Power Rating	7.5kVA	10kVA	15kVA	20kVA	25kVA	30kVA	40kVA	50kVA	60kVA
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	8.7A	11.6A	17.4A	23.2A	29 A	34.8 A	46.30	58.0	70.00
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								
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.



Mfg by :

Sarathi
Sarathi Powertronics LLP
www.upsworld.net

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