# Online UPS 1KVA~20KVA







## ▶ Main Features

- ── Highly Efficient > 93%
- High input power factor > 0.99
- High reliability digital control
- Wide input voltage range, 120V onwards
- Full protection function
- Intelligent RS 232 Communication Port
- External battery for backup time (Option)
- Hot Swappable Battery pack



# specifications

Features Type	MF 1101B MF 1101L	MF 1102B MF 1102L	MF 1103B MF 1103L	MF 1105B MF 1105L	MF 1106B MF 1106L	10K (1-1) MF 1110L	10K (3-1) MF 3110L	15K (3-1) MF 3115L	20K (3-1) MF 3120L	
Input										
Power factor	> 0.98 at full load									
THDi	<u>&lt;</u> 5%									
Voltage range(V)	220/230/240 (120-276:50% output:140-276:75% output:160-276:100% output 3ph·1ph out (208-478 for Load 50 % ~ 100									
Frequency range(Hz)	50/60 ± 6% (50/60 Hz settings)									
Battery voltage(Vdc)	36	48	96	120	120		240			
Output	74	20	V0000000000000000000000000000000000000						(2)(0)(0)(0)(0)	
Power(VA)	1000	2000	3000	5000	6000	10000	10000	15000	20000	
Power factor	0.7 (standard), 0.9 (option)									
Voltage(V)	220/230/240 ± 2%									
Frequency(Hz)	50/ 60 ± 0.5% (Battery mode)									
Waveform	Pure sine wave									
THD	THD < 3% (Linear load)									
Overload	105% ~ 130% for 60 seconds. 131% ~ 150% for 30 seconds. > 150% for 300 ms									
Battery										
Batt type	3x12V	3x12V 4x12V 8 x12V 10x12V 10x12V 20x12V								
Charger current(Max)	4 ~ 7 Amp Standard (Higher Rating optional)									
Recharge Time	< 10 hours to 90%									
Other Features										
Communication	RS232 port supports UPS power management software or UPSilon2000									
SNMP(option)	power management from SNMP manager and Web browser									
USB(option)	windows family									
Display	LCD Display the status for UPS									
Alarm	Battery low voltage, abnormal power supply, UPS failure									
Protection	Protection for battery low voltage, overload, short-circuit and over temperature									
Noise (dB)	< 45 dB(1 meter)									
Efficiency	> 93 %									
Temperature & RH	0 ~ 40oC 0 ~ 95%, No condensation									
Dimension (WxDxH)mm								80	×	
UPS without Battery	144x419x215	190x369x318	191 x479 x339	253x637x500	253x637x500	253x637x700	253x637x700	253x637x700	253x637x700	
Weight (kg.)	14 Kg./7.5 Kg.	20Kg / 11 Kg.	35Kg./20Kg.	52Kg./30Kg.	55Kg./32Kg.	34Kg.	35Kg.	52Kg.	55Kg.	

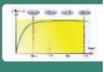
(Certification CE, UL, EN 50091-1, EN 50091-2)











#### Full Digital Signal Processor (DSP) Control

Provides both pure sine waves at the output and perfect sine waves to the input current to ensure compatibility with all kinds of loads. Full DSP technology also allow:

#### Intelligent Self-Diagnostics

Through the self-diagnostics inside the DSP, system faults can be pin-pointed rapidly which results in faster repair times easier servicing. Simply access the service mode and check each device step by step, through the results displayed on the LCD display.

#### High Input Power Factor and Low Current THD

Achieves up to 0.99 at Input Power Factor as well as <5% Current THD by adopting IGBT at Converter Section.

#### Advance Battery Monitoring

The Charging & discharging is controlled thru Digital Circuitry.

### Energy-efficientUPS

The AC to AC efficiency of the UPS reaches up to 90% at 50% load and better at larger loadings.

#### Smart Fan Control

Speed of the fan are control according to load percentage.

### LCD/LED Mimic Panel

SNMP Network Ready (Optional)

#### Cold Start Function

## Communication Capability

The UPS is equip with monitoring/ shutdown software as standard. The software not only allows the control of the UPS and its scheduled shutdown when the utility power fails, but also allows the user to

Remotely test the major operating functions of the UPS

Communicate via SNMP/WEB card





#### **VAIBHAVA** HITECH **SYSTEMS**

C 4 – 88 (G.F.), Safdarjung Development Area, Opp. I.I.T. Main Gate, New Delhi - 110 016

Tel / Fax: 011 - 2685 9248, 2686 6011

Mobile: 98112 28836, 98112 99611, 9911227836 / 38 e-mail: vhs999@gmail.com; vhs99@rediffmail.com