

INFORISE[®]
UPS

Uninterruptible Power Supplies

MOONLIGHT - Mini SERIES

reliable power



**1 phase input / 1 Phase Output
(1 - 3 KVA)**

INFORISE MOONLIGHT Mini SERIES are True Online, Double Conversion UPS System, manufactured with state of the art, PWM and IGBT technology, producing microprocessor controlled pure sinewave output to critical loads.

- VFI Topology Class 1 Double Conversion UPS
- LCD Display and Touchpad Control Keys
- Green Energy with Input Power Factor Correction (PFC)
- Automatic Restart & Cold Start Function
- Network Supported Monitoring & Control Software
- SNMP & AS400 Network Monitoring Options
- Silent & Economic Operation with Adjusted Fan Speed
- Integrated Maintenance Bypass Switch
- Built-in Parallel Operation 6KVA & 10KVA
- 1 Year full warranty

INFORISE UPS TECHNICAL SPECIFICATIONS

Model	MLM-201	MLM-201S	MLM-202	MLM-202S	MLM-203	MLM-203S
Capacity (KVA / Watts)	1 KVA / 900w		2 KVA / 1.8 Kw		3 KVA / 2.7 Kw	
INPUT						
Voltage	220VAC, 1 Phase, 3 Wire					
Voltage Tolerance	115VAC for 0-70%, 160VAC for >70%- 100% (110VAC - 300VAC+5%)					
Input Frequency	50Hz, 46- 54Hz, 60Hz, 56 - 64Hz Auto Adjustable to work Any Generator					
Input Power Factor	> 0.97					
OUTPUT						
Power Factor	0.9					
Voltage With Regulation	220VAC/ 230VAC ± 2%					
Dynamic Response	Maxim Deviation < 6% at 20-100% Load Change, < 9% at 0-100% Load Change					
Correction Time	150 Mili Seconds to be with in + 2% Static Tolerance at 0-100-0 % Load Change					
Frequency With Tolerance	Synchronization range (Line Mode) , Free running 50Hz / 60Hz ± 0.2 Hz					
OverLoad Capacity	>110%, 30s Turn to Bypass Mode: >150%, 300 Ms Turn to Bypass Mode					
Output Waveform	Pure Sine Wave					
Transfer Time	Zero					
Bypass & Transfer Time	Standard Static Bypass, 0 (Zero) for Line Mode to Battery and 2.5 Mili Seconds for inverter to Bypass Mode					
Bypass Adjustment	Bypass can be Disable or Enable to use in standby by Mode					
Short Circuit Protection	5 Cycles Turn Off inverter, no Transfer To Bypass, Provide Alarm (AC Mode)					
Efficiency AC to AC 100%	83%				85%	
Crest Factor	3:1					
Total Harmonic Distortion	≤3% with Linear Load, ≤6% with Non-Linear Load					
BATTERIES						
Backup Time	10-20 Minutes Standard (Maintenance Free Sealed Lead Acid Dry Battery)					
Battery Type	12V/7Ah	Depending on the Capacity & Quantity of External Batteries	12V/7Ah	Depending on the Capacity & Quantity of External Batteries	12V/7Ah	Depending on the Capacity & Quantity of External Batteries
Battery Quantity	2		4		6	
Float / Discharge End	27.4VDC ± 0.4v/ 20VDC		54.8VDC ± 0.4v/ 40VDC		82.2VDC ± 0.4v/ 60VDC	
Charging Current	1A	6A	1A	6A	1A	6A
Ambient Temperature	25 °C					
Protection	Battery Fuses, Low Battery, Charge Current Limit					
Recharge Time	8 hours to 90%	Depending on the Capacity & Quantity of External Batteries	8 hours to 90%	Depending on the Capacity & Quantity of External Batteries	8 hours to 90%	Depending on the Capacity & Quantity of External Batteries
Boost Charge	Available as Option					
GENERAL						
Human Interface	Large LCD Panel, Control Buttons					
Control Panel	Touchpad Buttons (On / Off, Audible Alarm Disable, Up / Down, Enter)					
Measurements & Warnings	UPS Status, Input / Output Voltage & Frequency, Load %, / Battery Status & Voltage, Warning & Alarm Messages					
LCD Indication	Input Voltage / Frequency, Battery Voltage, Output voltage / Frequency, Load Percentage, Inner Temperature & Remaining Battery Time Operation modes such as 'On Line', On Battery, of "or Bypass"					
LED Indication	Input Voltage / Frequency, Battery Voltage, Output voltage / Frequency, Load Watt/VA & Percent, Inverter Temperature Operation modes such as 'On Line', On Battery, of "or Bypass"					
Audible Warning	Buzzer, Mutable with Audible Alarm Disable, Battery operation, Battery Low Voltages, Fault Over Load					
Audible Alarm	Battery Mode Sounding Every 4 Second, Low Battery Sounding every second, Over Load Sounding Twice Every Seconds Fault Continuously Sounding					
Communication Interface	Smart RS232, Communication with DB9 Port (Optional) SNMP (Optional) Power Management From SNMP Manager & Web Browse USB(Optional) Window Family & Mac OS					
Software	Software Support Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True 64, SGI IRIX, Free BSD, HP-UX, & MAC					
Protection	Over Load, Electronic Short Circuit, Over Temperature, Voltage Low or high, Surge Protection for Madame / Network Protection					
OverLoad Protections	Load Transfer to Bypass Without any Break after Over Load Period					
Maintenance Bypass	Complete Isolation Available Above 3 KVA					
Cooling Type	Forced Cooling Fan					
Operating Temperature	0°C - 40°C					
Storage Temperature	-25°C - 55°C					
Humidity	0% -95% (Non Condensed)					
Operating Altituded	<1500 Meters					
Acoustic Noise	<45dBA					
EMC	EN62040 - 2(EMI), EN 61000-4-2(EESD), EN 61000-4-3(RS), EN 61000-4-4(EFT), EN 61000-4-5(Surge)					
Dimensions (H x W x D)	215x144x419		339x191x478			
Net Weight (Kg)	14Kg	7 Kg	34.5Kg	15Kg	35.5Kg	16Kg
OPTIONS						
Isolation Transformer	Galvanic Isolation Transformer at the Input / Output Available As Optional					

* Non contractual documents, Front panel or specification will be change without prior notice

