

INFORISE[®]
UPS

Uninterruptible Power Supplies

MOONLIGHT - Mini SERIES

reliable power



**1 phase input / 1 Phase Output
(6 KVA - 10 KVA)**

INFORISE MOONLIGHT Mini SERIES are True Online, Double Conversion UPS Systems, 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
- Dual Rapid Charger to Charge Battery
- Green Energy with Input Power Factor Correction (PFC)
- Automatic Restart & Cold Start Function
- Network Supported Monitoring & Control Software
- SNMP & AS400 Network Monitoring Options
- Generator Compatible
- Silent & Economic Operation with Adjusted Fan Speed
- Integrated Maintenance Bypass Switch
- Built-in Parallel Operation 6KVA & 10KVA
- 1 Year full warranty

INFORISE

Uninterruptible Power Supply

Moonlight Mini Series

INFORISE UPS TECHNICAL SPECIFICATIONS

Model	MLM-206	MLM-206S	MLM-210	MLM-210S
Capacity (KVA / Watts)	6 KVA / 5.4 Kw		10 KVA / 9 Kw	
INPUT				
Voltage	220VAC/ 230VAC, 1 Phase, 3 Wire			
Voltage Range	120VAC - 276VAC			
Input Frequency	50Hz, 40- 70Hz, 60Hz, 54 - 66Hz Auto Adjustable to work Any Generator			
Input Power Factor	> 0.99			
Bypass Voltage Range	Max. Voltage 220V: +25%(Optional + 10%, 15%, +20%), 230V +20% (Optional + 10%, +15%), 240V: +15% (Optional + 10%) Min: Voltage: -45% (Optional-20%, -30%)			
Bypass Frequency Range	Frequency Protection Range: ± 10%			
ECO Range	Same as the Bypass			
Harmonic Distortion (THD)	<3% (100% Linear Load)			
Generator Input	Supported			
OUTPUT				
Power Factor	0.9			
Voltage Regulation	220VAC/ 230VAC + 1%			
Frequency	50/60(+0.1)Hz			
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			
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			
Short Circuit Protection	5 Cycles Turn Off inverter, no Transfer To Bypass, Provide Alarm (AC Mode) 5 Cycles Turn Off Inverter, Provide Alarm (Battery Mode), Input Fuse Blown Or Breaker Action (Bypass Mode)			
Efficiency	>98 %			
Crest Factor	3:1			
Total Harmonic Distortion	<2% with Linear Load, <5% 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
Battery Quantity	16/20		20	
Float / Discharge End	274VDC + 1v / 200VDC			
Charging Current	1A	10A	1A	10A
Ambient Temperature	25°C			
Protection	Battery Fuses, Low Battery, Charge Current Limit			
Recharge Time	6-8 hours to 90%	Depending on the Capacity & Quantity of External Batteries	6-8 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 & Volatge, Warning & Alarm Messages			
LED & LCD Display	Line Mode, Bat. Mode, ECO Mode, Bypass Mode, Battery Low, Battery Bad, Over Load & UPS Fault			
LCD Display	Green LED For Normal Operation, Yellow LED For Warning Condition, Red LED for Abnormal Operation			
Audible Warning	Buzzer, Mutable with Audible Alarm Disable, Battery operation, Battery Low Voltges, Fault Over Load			
Audible Alarm	Battery Mode Sounding Every 4 Second, Low Battery Sounding every second, Over Load Sounding Twice Every Seconds Fault Countinously Sounding			
Communication Interface	Rs232, Dry Contact, USB, SNMP Card (Optional) Parallel Card (Optional) Relay Card (Optional)			
Software	Software Support Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True 64, SGI IRIX, Free BSD, HP-UX, & MAC			
Protection	Short Circuit, Line Mode: Turn to Bypass: Bat Mode: Shut Down UPS imidiately			
OverLoad	Line Mode	Load ≤ 110%: Last 60 Min, ≤ 125%: Last 10 Min, ≤ 150%: Last 1 Min > Turn to Bypass Mode imidiately		
	Bypass Mode	40A (Breaker)		60A (Breaker)
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			
Accoustic Noise	<55dBA			
Safety Standard	IEC/EN62040.1, IEC/EN60950-1			
EMC	EN62040 -2, EN 61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-04-08			
Dimensions (H x W x D)	616x250x502 /438x220x481			
Net Weight (Kg)	90Kg	35Kg	93Kg	38Kg
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