XMI Series

Telecom Inverter

1kVA-3kVA

Intelligent Flexibility

- LiFePO4/Lead-acid battery compatible
- 19" Rackmount, support wall-mounted and embedded installation
- 150% DC oversizing, supports non-linear devices
- AC 220V and DC 48V output may be used simultaneously
- Cold start function

High Reliability

- Input PF ≥ 0.99
- Intelligent fan allows multiple modes to control the speed
- Battery mode efficiency ≥ 90% at full load
- Mains power mode efficiency ≥ 99%

Green Performance

- The battery power-off voltage is configurable
- Multiple protection: undervoltage, overload, overheat, short circuit, surge, etc.
- Unmanned function

Intelligent Monitoring System

- Supports RS485 and dry contact

Applications: Indoor distribution system, remote radio unit, ubiquitous coverage, landline network

Specification

Model	XMI10HR-X	XMI20HR-X	XMI30HR-X
Capacity	1kVA	2kVA	3kVA
Input			
AC Voltage	176-250VAC（configurable）		
Frequency	50Hz ± 5%		
Power Factor	⩾0.99		
Rated Voltage	48VDC		
Battery Voltage Range	43~60VDC		
AC Output			
Power Factor	0.8		
Voltage	220VAC ± 2%（Inverter mode）		
Efficiency	⩾90%（Inverter mode）		
Frequency	49~51Hz		
Waveform	Pure sine wave（Inverter mode）		
THDu	⩽3% (Linear load under full load)		
Overload	125% rated load 10 min；150% rated load 1 min		
Switching Time	⩽10ms		
DC Output			
Voltage	54.5~57.6VDC		
Current	Optional rectifier module: 0A/6A/30A(6A charging)/30A		Optional rectifier module: 0A/6A/10A/30A(6A charging)/30A
Protection			
Bypass-Inverter	Low-Voltage Switching Point	176 ± 3Vac	
	High-Voltage Switching Point	265 ± 3Vac	
Inverter-Bypass	Low-Voltage Recovery Point	186 ± 3Vac	
	High-Voltage Recovery Point	255 ± 3Vac	
Battery low-voltage warning point		43 ± 0.5Vdc	
Battery undervoltage protection point		⩽40Vdc	
Battery overvoltage protection point		⩾60Vdc	
Battery overvoltage recovery point		⩾55Vdc	
Output overcurrent protection		100%~125%:protection after 10 mins	
		125%~150%: protection after 1 min	
		>150%: instant protection	
Output shortcircuit protection	Yes (short circuit is prohibited when grid power is connected)		
Battery reverse protection	Yes (models with charging function prohibit reverse polarity connection)		
Overheat protection	Yes (automatic recovery after fault condition is cleared)		
Cooling method	Built-in fan cooling (intelligent speed control)		
System			
Display	LCD, LED (optional)		
Communication	RS485, dry contact		
Physical			
WxDxH(mm)	482×350×44		
Weight(kg)	6.2		

* Specifications subject to change without notice.

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XMI-HR Series

Telecom Inverter

1kVA-15kVA

Intelligent Flexibility

- N+X redundant parallel technology
- Masterless current sharing allows high-precision load sharing
- Direct use of DC system

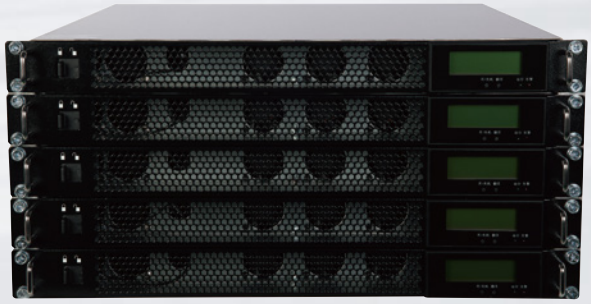
High Reliability

- Noise suppression technology
- Online structure design
- Relay + SCR compensation and flashover protection
- AC and DC double loop input design

Intelligent Monitoring System

- Supports RS485/RS232 interface and SNMP(optional)

Applications: Indoor distribution system, network optimization, remote radio unit, railway, post and telecommunications, public security organs and other private network computer room systems



Specification

Model	XMI30HR	XMI60HR	XMI90HR	XMI120HR	XMI150HR
Capacity	3kVA	6kVA	9kVA	12kVA	15kVA
Input					
AC Voltage	165~260VAC				
Frequency	50Hz+ 5%				
DC Voltage	48VDC				
Reflected Wide-Band Noise Current	<10%				
Reflected Relative Psophometrically Weighted Noise Current	<2%				
Output					
Voltage	Single phase 220VAC				
Frequency	49~51Hz				
Voltage Accuracy	±1% (Inverter mode)				
Efficiency (Inverter Mode)	＞90%				
THDu	<3%（Linear load under full load）				
Dynamic Response	±3%（100% Load change）				
Power Factor	0.8				
Battery					
Voltage	48V				
Charging Current	6A / 0A	12A / 0A	18A / 0A	24A / 0A	30A / 0A
System					
Noise	<55dB @ 1m				
Display	LCD				
Alarm	Support				
Communication	RS485, dry contact, SNMP (optional)				
Protection					
Short Circuit	Support				
Overheat	Support				
Input Overvoltage	Support				
Output Overvoltage	Support				
Environment					
Operating Temperature	0～40°C				
Humidity	0～95%（Non-condensing）				
Physical					
Structure	Rack				
WxDxH(mm)	482 × 470 × 88		482 × 470 × 220		
Weight(kg)	11	17	27	33	39

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E48 Series

30A-1000A

High Reliability

- Wide input range, appropriate for harsh environment
- BMS: LVLD+LVBD functions, temperature compensation, automatic floating charging control, AVR, battery capacity calculation, online battery testing, etc
- Advanced CPU and multiple microprocessor control technology

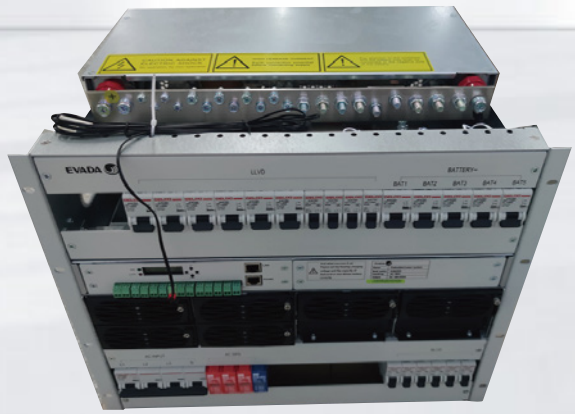
Excellent Design

- Non-destructive hot-swappable technology: ≤1 min replacement time
- LiFePO4/Lead-acid battery compatible
- Digital-control active power factor compensation technology: input power factor is up to 0.99

Perfect Protection

- Multiple protection: undervoltage, overload, overheat, short circuit, surge, lightning, fan fault alarm, fault display, historical alarm record storage, etc.

Applications: Base stations, small and medium size switching centers, wave network communications, satellite communications, data centers, etc.



Specification

Category	Parameter		Description
AC input	Voltage range		380Vac(260Vac~520Vac)
	Module start-up voltage range		Start up: 140 ~290 Vac
	Module working voltage range		Working: 90~290 Vac
	Frequency range		43Hz~67Hz
	Input method		Three-phase five-wire system (optional dual three-phase manual switching)
	Lightning protection		L-N,N-E，8/20μs，In=20kA
	Power factor		⩾0.99 (full load)
	THD		⩽5% (rated input)
	Dual AC input selection		Prioritized automatically route 1, with the option to force-select route 2
AC input	Nominal voltage		-48Vdc
	Rated voltage		-53.5Vdc
	Voltage range		Continuously adjustable from -43Vdc to -58Vdc
	Power factor		⩾0.99 (rated input)
	Efficiency		⩾95% (rated input)
	Output wave and noise		⩽200mVp-P
	Power-on output delay		3-8S
	Output voltage stability accuracy		⩽±1%
	Wideband noise voltage		⩽100mV(3.4~150 KHz)
			⩽30mV(150~30 MHz)
	Telephone balance noise voltage		⩽2mV
	Overshoot	Overshoot	ΔV：⩽5%Vo
		Recovery time	Δt：⩽500μS
	Current sharing imbalance		⩽5%
	Temperature coefficient		±0.02%/°C
	System efficiency		⩾95%
	Shunt loading		No detachment: fuse 400A*4+250A*4+100A*4, switch 63A*4+32A*4 Predetachment: fuse 400A*4+250A*2+63A*2 Afterdetachment: fuse 250A*2+100A*4+switch 63A*2+32A*4
	Battery connection		1000A*2
Environment temperature	Working temperature range		-5°C~4O°C
	Storage temperature range		-40°C~+70°C
	Working relative range		⩽90%
	Storage temperature range		⩽95%
	Altitude		⩽3000m, derated over 3000m
Mechanic parameters	WxDxH(mm)		2000 X 600 X 600
	Weight(kg)		130
	Wiring method		Both up and bottom in
Monitor function	System operation real-time monitoring; intelligent battery management; two-level power-down; remote monitoring, control and communication; RS485/232/IP network comunication; fault alarm; peak shaving of utility power; off-peak usage; sleep mode		
Alarm & protection	Module input overvoltage protection		⩾300 Vac
	Module input undervoltage protection		⩽85 Vac
	Primary power-down protection		-46.0V ± 0.5V
	Secondary power-down protection		-43.2V ± 0.5V

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