



DT SERIES UPS

EVADA (Xiamen) Technology Co., Ltd.

ABOUT EVADA

爱维达

EVADA

EVADA (Xiamen) Technology Co., Ltd. was founded in 1998, for over two decades, the company has been focusing on power conversion and smart energy fields, offering solutions for data center, digital power, energy storage and photovoltaic power. EVADA is a high-tech enterprise that achieves the TOP 5 brands of China UPS and data center, and currently being present in 48+ countries. As part of the general push for the transformation of energy decarbonization, EVADA stays ahead in the field and trying to promote “green” development of energy.



TOP 5

UPS brands in China



25+

Years' experience in power conversion and smart energy field



32

Branches nationwide and counting



3

R&D centers



25,000+

Square meters workplace



20+

Industry standards drafting



100+

Researchers



30+

Invention patents



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DT SERIES UPS

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XMI-D SERIES

Power Range

1kVA-120kVA

Overview

XMI-D Series UPS completely eliminates the impact of grid disturbances, surges, sags, and noise interference, providing a green and reliable power supply protection for loads with outstanding quality, exceptional performance, and user-friendly operation.

Applications

Thermal power plant, hydroelectric power plant, wind farm, nuclear power plant, waste-to-energy plant, transmission and distribution substation, and transformer station, etc.



Features

Flexible

- 19" rack for easy setup and flexible screen configuration
- Supports hot standby and N+X parallel redundancy
- Optional monitoring protocols compatible with power device monitoring
- Simple usage without strict control sequences
- LCD displays system parameters and status
- Supports dry contacts, RS232, RS485, SNMP cards

Stable and Reliable

- Dual power input design
- Isolation transformer for input/output and AC/DC isolation
- Unique airflow design prevents dust buildup on components
- Static bypass enables seamless inversion and bypass switching
- Dual conversion with zero switch time
- Wide input voltage range
- Automated self-testing
- Multiple protection: overload, mains overvoltage/undervoltage, short circuit, battery overvoltage/undervoltage, and overtemperature, etc.



Host 1kVA-3kVA



Host 5kVA-20kVA



Cabinet 10kVA-60kVA



Cabinet 80kVA-120kVA

Specification(Host)

Model	XMI10D(R/P)	XMI20D(R/P)	XMI30D(R/P)	XMI50D(R/P)	XMI75D(R/P)	XMI80D(R/P)	XMI110D(R/P)
Capacity	1kVA	2kVA	3kVA	5kVA	7.5kVA	8kVA	10kVA
Input							
Rated Voltage	220VAC						
Voltage Range	(165 ~ 275)VAC (Line voltage)						
Frequency Range	(50 ± 5%)Hz						
Rated DC Voltage	110/220VDC						
Output							
Rated Voltage	Single phase 220VAC						
Voltage Accuracy	(220 ± 1%)VAC						
Frequency	Battery: (50 ± 0.5%)Hz						
Power Factor	0.8						
THDi	<3% (100% Linear load), <5% (100% non-linear load)						
Overload	105% ~ 125%, lasts 10min then switch to the bypass; 125 ~ 150%, lasts 1min then switch to the bypass; >150%, switch to the bypass immediately						
Switching Time	0ms						
Current Sharing Imbalance	≤5%						
Protection							
Overload	Switch to bypass power then automatically switch to mains power when load decreases						
Overtemperature	> 85°C, switch to bypass power						
Short Circuit	Inverter shutdown, protection alert						
Malfunction	Switch to bypass mode triggers an alarm						
Undervoltage	Auto shutdown on DC undervoltage						
Display							
LED	Mains, inverter, bypass, DC undervoltage, overload, fault						
LCD	AC input/output voltage; AC input/output frequency; DC input voltage; load percentage; apparent power; active power; output current; UPS operational status, etc.						
System							
Alarm	Mains power under/over-voltage, DC under/over-voltage, output overload, UPS abnormalities, etc.						
Communication	RS232/RS485, dry contact, optional: SNMP						
Environment							
Operating Temperature	(-5 ~ 40)°C						
Humidity	0~95%(Non-condensing)						
Noise	<55dB @ 1m						
Physical							
Size W*D*H(mm) (built-in transformer)	422 x 461 x 176 (4U)			422 x 419 x 352 (8U)	482.6 x 440 x 442(10U)	440 x 470 x 712 (16U)	
Size W*D*H(mm) (external transformer)	/			440 x 440 x 264 (6U)	440 x 440 x 264 (6U DC220V) 440 x 440 x 311 (7U DC110V)		
Weight	46(Built-in)	46(Built-in)	46(Built-in)	85(Built-in) 22(External)	100(Built-in) 28/30(External)	142(Built-in) 28/30(External)	145(Built-in) 28/30(External)

* Specifications subject to change without notice.

Specification(Host)



Model	XMI3105D(R/P)	XMI31075D(R/P)	XMI3108D(R/P)	XMI3110D(R/P)	XMI3115D(R/P)	XMI3120D(R/P)
Capacity	5kVA	7.5kVA	8kVA	10kVA	15kVA	20kVA
Input						
Rated Voltage	380VAC					
Voltage Range	(285 ~ 475)VAC (Line voltage)					
Frequency Range	(50 ± 5%)Hz					
Rated DC Voltage	110/220VDC				220VDC	
Output						
Rated Voltage	Single phase 220VAC					
Voltage Accuracy	(220 ± 1%)VAC					
Frequency	Battery: (50 ± 0.5%)Hz					
Power Factor	0.8					
THDi	<3% (100% Linear load), <5% (100% non-linear load)					
Overload	105% ~ 125%, lasts 10min then switch to the bypass; 125 ~ 150%, lasts 1min then switch to the bypass; >150%, switch to the bypass immediately					
Switching Time	0ms					
Current Sharing Imbalance	≤5%					
Protection						
Overload	Switch to bypass power then automatically switch to mains power when load decreases					
Overtemperature	> 85°C, switch to bypass power					
Short Circuit	Inverter shutdown, protection alert					
Malfunction	Switch to bypass mode triggers an alarm					
Undervoltage	Auto shutdown on DC undervoltage					
Display						
LED	Mains, inverter, bypass, DC undervoltage, overload, fault					
LCD	AC input/output voltage; AC input/output frequency; DC input voltage; load percentage; apparent power; active power; output current; UPS operational status, etc.					
System						
Alarm	Mains power under/over-voltage, DC under/over-voltage, output overload, UPS abnormalities, etc.					
Communication	RS232/RS485, dry contact, optional: SNMP					
Environment						
Operating Temperature	(-5 ~ 40)°C					
Humidity	0~95%(Non-condensing)					
Noise	<55dB @ 1m					
Physical						
Size W*D*H(mm) (built-in transformer)	/	440 x 470 x 712 (16U)				/
Size W*D*H(mm) (external transformer)	440 x 440 x 264 (6U)	440 x 440 x 264 (6U DC220V) 440 x 440 x 311 (7U DC110V)			440 x 440 x 264 (6U)	440 x 440 x 355 (8U)
Weight	22(External)	100(Built-in) 28/30(External)	142(Built-in) 28/30 (External)	145(Built-in) 28/30(External)	160(Built-in) 28(External)	35(External)

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Specification(Host)

Capacity	10kVA	20kVA	30kVA	40kVA	50kVA	60kVA	80kVA	100kVA	120kVA
Input									
Rated Voltage	380/400/415/480Vac								
Voltage Range	±25%								
Frequency Range	50/60Hz±10%								
Rated DC Voltage	110/220Vdc								
Output									
Rated Voltage	220/230/240/277Vac								
Voltage Accuracy	±1%								
Frequency	50/60Hz								
Power Factor	0.8								
THDi	<2% (100% linear load), <3% (100% non-linear load)								
Overload	<110%; 125%, 10mins; 150%, 1 min; 200%, 10 sec								
Switching Time	3:1								
Current Sharing Imbalance	≥94%								
Standards									
Safety standards (CE standard)	EN50091-1								
EMC standards (CE standard)	EN50091-2								
Radiological standards and safety standards	FCC CLASS A, CE								
EMC/EMI	Conduction	EN50091-2							
	Radiation	EN50091-2, CLASS A							
	Harmonic currents	IEC1000-3-4							
	Anti-interference performance	EN61000-4-23.4.6.8.9.11 Level III, EN61000-4-5 Level IV							
System									
Color	RAL7035 UV resistant								
Protection	Short circuit protection; lightning protection; EMC filtering; isolation transformer								
IP Grade	IP30 (other specifications are customizable)								
Altitude	No derating <2000m (above sea level)								
Communication	Dry contact, RS232, RS485 (MODBUS)								
Working temperature									
Relative temperature	<90% (non-condensing)								
Noise	<60dB @ 1 meter						<65dB @ 1 meter		
Mechanic dimensions									
Size W*D*H(mm)	550 x 800 x 1800						1100 x 800 x 1800		
Weight(kg)	400	515	570	590	620	980	1160	1350	1950

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