



AdPoS
Advanced Power Systems

Midi-J RT PRO V

(10 - 20 kVA)

3 Phase Input /

1 Phase Output



Midi-J RT PRO V 10 kVA



Midi-J RT PRO V 15 kVA
Midi-J RT PRO V 20 kVA

Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- Built-in phase auto adapt function simplifies wire installation
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Optional N+X parallel redundancy


...principle safety

Midi-J RT PRO V

MODEL		Midi-J RT PRO V 10 kVA	Midi-J RT PRO V 15 kVA	Midi-J RT PRO V 20 kVA
Phase		3-phase in / 1-phase out		
Capacity		10000 VA/9000 W	15000 VA/13500 W	20000 VA / 18000 W
INPUT				
Nominal Voltage		3 x 400 VAC (3Ph+N)		
Voltage Range		190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load		
Frequency Range		46~54 Hz or 56~64Hz		
Power Factor		≥ 0.99 @ 100% Load		
THDi		< 6% @ 100% Load		
OUTPUT				
Output Voltage		208/220/230/240VAC		
AC Voltage Regulation (Batt. Mode)		± 1%		
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz		
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz		
Current Crest Ratio		3:1		
Harmonic Distortion		≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		90.5%	91%	
ECO Mode		96%	96%	
Battery Mode		87%	88%	
BATTERY				
Standard Model	Battery Type	12 V / 9 Ah		
	Numbers	20 (18 - 20 pcs* adjustable)	20 pcs x 2 strings (18 - 20 pcs* adjustable)	
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (max.)	1A	2A	
	Charging Voltage	273 VDC ± 1% (based on battery numbers at 20 pcs)		
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers			
	Charging Current (max.)	4A		
	Charging Voltage	273 VDC ± 1% (based on battery numbers at 20 pcs)		
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
Battery Mode	Sounding every 4 seconds			
Low Battery	Sounding every second			
Overload	Sounding twice every second			
Fault	Continuously sounding			
PHYSICAL				
Standard Model	Dimension, D x W x H (mm)	UPS unit: 668 x 438 x 133 [3U] Battery pack: 580 x 438 x 133 [3U]	UPS unit:668 x 438 x 266 [6U] Battery pack: 580 x 438 x 133 [3U] x 2PCS	
	Net Weight (kgs)	UPS unit: 22 Battery pack: 63	UPS unit: 45 Battery pack: 63 x 2 pcs	
Long-run Model	Dimension, D x W x H (mm)	668 x 438 x 133 [3U]	668 x 438 x 266 [6U]	
	Net Weight (kgs)	22	45	
ENVIRONMENT				
Operating Humidity		0-95 % RH @ 0- 40°C (Non-condensing)		
Noise Level		Less than 60dB @ 1 Meter	Less than 65dB @ 1 Meter	
UPS storage temperature		-40 °C - +45°C		
MANAGEMENT				
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC		
Optional SNMP		Power management from SNMP manager and web browser		
STANDARDS				
Safety Standards		EN50091-1		
Low Voltage Directive		EN62040-1: 2008+A1: 2013		
EMC Directives		EN62040-2 : 2006+AC: 2006, EN 61000-3-2: 2014(EN61000-4-2: 2009, EN61000-4-3: 2006+A2: 2010, EN61000-4-4: 2012, EN61000-4-5: 2006, EN61000-4-6: 2014, EN61000-4-8: 2010, EN61000-2-2: 2002); C3		