

Mini-J RT V

(6 - 10 kVA)



Leistungsmerkmale

- True double-conversion
- DSP technology guarantees high performance
- Output Power Factor 1
- Wide input voltage range (110-300 VAC)
- High efficiency up to 94%
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Generator compatible
- SNMP/USB/RS-232 communications
- Adjustable battery numbers
- Optional N+X parallel redundancy
- Optional OVCD protection



...aus Prinzip sicher

Mini-J RT V

MODEL		Mini-J RT V (L), 6 kVA		Mini-J RT V (L), 10 kVA	
Phase		1 phase in / 1 phase out			
Capacity		6000 VA / 6000 W		10000 VA / 10000 W	
INPUT					
Nominal Voltage		208/220/230/240 VAC			
Voltage Range		110~300VAC @ (0~60%) Load 140~300VAC @ (60~80%) Load 176~300VAC @ (80~100%) Load			
Frequency Range		46~54 Hz • 50Hz / 56~64 Hz • 60Hz			
Phase		Single phase with ground			
Power Factor		≥ 0.99 @ full load			
THDi		<4% @100% Load, <6% @50% Load			
OUTPUT					
Output Voltage		208/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)		± 1%			
Frequency Range (Synchronized Range)		46~54 Hz • 50 Hz / 56~64 Hz • 60 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz oder 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1 (max.)			
Harmonic Distortion		< 1 % THD (Linear Load), < 4 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
Overload	AC Mode	100%~110%: 10min; 110%~130%: 1min; >130% : 1sec			
	Battery Mode	100%~110%: 30sec; 110%~130%: 10sec; >130% : 1sec			
EFFICIENCY					
AC Mode		94%			
Battery Mode		91%			
BATTERY					
Standard Model	Battery Type	12 V / 7 AH		12 V / 9 AH	
	Numbers	16	20	16	20
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1.0 A			
Long-run Model	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%	218.4 VDC ± 1%	273 VDC ± 1%
	Battery Type	Depending on applications			
	Numbers	16-20			
	Charging Current (max.)	4.0 A			
Long-run Model	Charging Voltage	273 VDC (based on battery numbers at 20 pcs)			
INDICATORS					
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM					
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: 600x438x88 [2U] Battery Pack: 688x438x88 [2U]	UPS Unit: 600x438x88 [2U] Battery Pack: 600X438 X133 [3U]	UPS Unit: 600x438x88 [2U] Battery Pack: 688x438x88 [2U]	UPS Unit: 600x438x88 [2U] Battery Pack: 600x438 x133 [3U]
	Net Weight (kgs)	UPS Unit: 17 Battery Pack: 48	UPS Unit: 17 Battery Pack: 57	UPS Unit: 20 Battery Pack: 48	UPS Unit: 20 Battery Pack: 63
Long-run Model	Dimension, D X W X H (mm)	600 x 438 x 88 [2U]			
	Net Weight (kgs)	17		20	
ENVIRONMENT					
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 55dBA @ 1 Meter		Less than 58dB @ 1 Meter	
MANAGEMENT					
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, 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			

* Derate capacity to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.
 **If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.
 When using batteries from 16-19, the unit will de-rate according to below formula: P=Prating x N/20
 Product specifications are subject to change without further notice, July 2016

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