

MXV 1KVA/2KVA/3KVA (3-level-inverter)



1KVA



2-3KVA

- 1. True double-conversion
- 2. Output power factor 0.9
- 3. Input power factor correction
- 4. 50/60Hz Frequency Converter Mode
- 5. ECO mode energy saving
- 6. Emergency power off (EPO) function
- 7. Provides over voltage cut-off protection and surge immunity by MOV for full time equipment protection
- 8. High power factor charger with very low ripple current when charging battery
- 9. Low input THDi to reduce power system pollution
- 10. Adjustable output voltage & frequency on LCD panel
- 11. Smart battery charger design to optimize battery performance
- 12. Generator compatible
- 13. Optional HID Power Device USB Port

Model		MXV 1K(L)		MXV 2K(L)		MXV 3K(L)	
PHASE		Single phase with ground					
CAPACITY		1000VA/900W		2000VA/1800W		3000VA/2700W	
INPUT							
Nominal Voltage		208/220/230/240VAC					
Voltage Range		55-150VAC ± 3% or110-300VAC ± 3% at 50% load 80-150VAC ± 3% or 160-300VAC ± 3% at 100% load					
Frequency Range		40Hz~70Hz					
Power Factor		≥0.99 nominal voltage(100% load)					
THDi%		≤ 5%					
OUTPUT							
Output Voltage		208/220/230/240 VAC					
AC Voltage Regulation		± 1					
Frequency Range(Synchronized Range)		47~53Hz or 57~63Hz					
Frequency Range(Batt.Mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz					
Current Crest Ratio		3:1					
Harmonic Distortion		≤ 2% THD(Linear Load),≤ 4%THD (Non-linear Load)					
Transfer Time	AC TO DC	Zero					
	Inverter to Bypass	4 ms(Typical)					
	ECO to Battery Mode	8 ms(Typical),10 ms(max)					
Waveform		Pure Sine wave					
EFFICIENCY							
Line Mode		≥ 89% battery fully charged		≥ 91% battery fully charged			
Eco Mode		≥ 96% battery full charged					
Battery Mode		≥ 86%		≥ 85%		≥ 88%	
BATTERY							
Battery Type		12V/7AH		12V/7AH		12V/7AH	12V/7AH
Numbers		3		6		6	8
Typical Recharge Time		5hours recover to 95% capacity for internal battery					
Charging Current		1-3KVA 1A 1-3KL 5.5A					
Charging Voltage		27.5VDC ± 1%	41.25VDC ± 1%	82.5VDC ± 1%		82.5VDC ± 1%	110VDC ± 1%
INDICATORS							
LCD Panel		Load level,Battery level,AC mode Battery mode Bypass mode,and Fault indicator					
ALARM							
Battery Mode		Sounding every 5 seconds					
Low Battery		Sounding every 2 seconds					
Overload		Sounding every seconds					
Fault		Continuously sounding					
PHYSICAL							
Dimension,D*W*H(mm)		350*144*230		425*190*328			
Net Weight(long backup)(kgs)		6		12		12	
Net Weight(w/built-in battery)(kgs)		8.5	11.5	23		24	28
ENVIRONMENT							
Humidity		20-95% RH 0-40℃ (non-condensing)					
Noise level		Less than 50dBA 1Meter					
MANAGEMENT							
Smart RS-232 or USB		Supports Windows 2000/2003/XP/Vista/2008,Window 7/8/10,Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					
STANDARD							
EMC/Safety		EMC EN62040-2 C2 for CE models					