

Maxi-J I Pro XS TY

(10kVA - 20kVA)

Input: 3 phase / Output: 3 phase

Application:

- IDC (Internet Data Center), ISP, Computer Room, Service Center
- Precision instrument, intelligent equipments

Features:

- High efficiency, up to 96%
- High input PF>0.99; Input current THDi<4%
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen



Maxi-J I Pro XS TY

Model	Maxi-J I Pro XS TY 10kVA	Maxi-J I Pro XS TY 15kVA	Maxi-J I Pro XS TY 20kVA
Power Rating	10kVA/10kW	15kVA/15kW	20kVA/18kW
Main Input			
Grid System	3 Phases + Neutral + Ground		
Rated Input Voltage	380/400/415VAC (Line-Line)		
Rated Frequency	50/60Hz		
Input Voltage Range	304~478Vac (Line-Line),full load; 228V~304Vac (Line-Line),load decreases linearly according to the min phase voltage		
Input Frequency Range	40Hz ~ 70Hz		
Input Power Factor	>0.99		
Input Current THDi	<3% (full Linear Load)		
Bypass Input			
Rated Bypass Voltage	200/208/220VAC (Line-Line)		
Rated Frequency	50/60Hz		
Bypass Voltage Range	Selectable, default -20%~+15% Upper limit: +10%, +15%, +20%, +25% Lower limit: -10%, -15%, -20%, -30%, -40%		
Bypass Frequency Range	Selectable, ±1Hz, ±3Hz, ±5Hz		
Bypass Overload	125%, long time operation 125%<load<130%, last for more than 10 minutes 130%<load<150%,last for more than 1 minutes >1000%, last for more than 100ms		
Switch time (between bypass and inverter)	0ms		
Output			
Rated Inverter Voltage	380/400/415VAC (Line-Line)		
Rated Frequency	50/60Hz		
Output Power Factor	1*		
Voltage precision	±1.5%(0-100% linear load)		
Transient Response	<5% for step load (20% - 80% -20%)		
Transient recovery	< 30ms for step load (20% - 100% -20%)		
Output Voltage THDu	<1% linear load; <6% (non-linear load) according to IEC/EN62040-3		
Inverter Overload	„<110%, 60min; 110%~125%,10min; 125%~150%,1min;“		
Frequency Regulation	50/60Hz±0.1% (battery mode)		
Synchronized Range	Settable, ±0.5Hz ~ ±5Hz, default ±3Hz		
Synchronized Slew Rate	Settable, 0.5Hz/S ~ 3Hz/s, default 0.5Hz/s		
Battery And Charger			
Battery Rate Voltage	±240VDC (total 480VDC)		
Battery Type	12V, 7/9AH		
Battery number	MAX. 120 pcs (40 pcs*3 strings)		
Charger Voltage precision	1%		
Charger Power	max=20% * Output power		
Battery cold start	Optional		
Efficiency			
Normal Operation	>95%		
Battery Operation	>95%		
System			
Display	LED + LCD		
Breakers	Input breaker, Bypass breaker, Maintenance breaker, Output breaker, Battery breaker		
Protection Level IEC60529	IP20		
Color	BLACK, RAL 7021		
Interface	Standard:RS232, RS485, USB,Dry contact(Programmable)		
	Standard: RS232, RS485 Option: SNMP, Dry Contact, Parallel kit, Battery cold start		
Environmental			
Operation Temperature	0 ~ 40 °C		
Storage Temperature	-40 ~ 70 °C		
Relative Humidity	0 ~ 95% (Non-condensing)		
Altitude	≤1000, load de-rated 1% per 100m from 1000m to 2000m		
Noise (1 meter)	58dB @ 100% load, 55dB @ 45% load		
Applicable Standards	Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3		
Physical data			
Dimension(W*D*H,mm)	380*840*1400		
Weight (kg)			

*30kVA model has Dynamic PF, it is PF=1 up to 30°C, over 30°C is 0.9
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