



AdPS
Advanced Power Systems

Maxi-J I Pro XS TY

(30kVA)

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




...principle safety

220224

Maxi-J I Pro XS TY

MODEL	Maxi-J I Pro XS TY 30kVA
Rated Power	30kVA / 27kW
MAINS	
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	
Rated Bypass Voltage	380/400/415VAC (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, $\pm 1\text{Hz}$, $\pm 3\text{Hz}$, $\pm 5\text{Hz}$
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
OUTPUT	
Rated Inverter Voltage	380/400/415VAC (Line-Line)
Rated Frequency	50/60Hz
Output Power Factor	1,0*
Voltage precision	$\pm 1.5\%$ (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 $\pm 0.1\%$
Synchronized Range	Settable, $\pm 0.5\text{Hz}$ ~ $\pm 5\text{Hz}$, default $\pm 3\text{Hz}$
Synchronized Slew Rate	Settable, 0.5Hz/s ~ 3Hz/s, default 0.5Hz/s
BATTERY	
Battery Rate Voltage	$\pm 240\text{VDC}$
Battery Type	12V, 7Ah or 9Ah
Number of internal batteries	max. 160 pcs. (4 strings each 40 pcs.)
Charger Voltage precision	1%
Charger Power	Maximum 20% of the rated USV Power
Cold Start	Yes
EFFICIENCY	
Normal Operation	>95%
Battery Operation	>95%
SYSTEM	
Display	LED + LCD
Protection Level (IEC60529)	IP20
Color	Black, RAL 7021
Interface	RS232, RS485, USB, SNMP Slot, programmable Relays
ENVIRONMENTAL	
Operation Temperature	0 ~ 40 °C
Storage Temperature	- 40 ~ 70 °C
Relative Humidity	0 ~ 95% (Non-condensing)
Altitude of Operation	≤ 1000 , Load de-rated 1% per 100m from 1000m to 2000m
Noise (1 meter)	58dB(A) @ 100% load, 55dB(A) @ 45% Load
Applicable standards	IEC62040-1-1, IEC62040-2 Category C3, IEC62040-3
PHYSICAL DATA	
Dimension (W x D x H, mm)	500 x 940 x 1400 mm (W x D x H)
Weight (kg)	140 kg (without batteries)

*30kVA model has Dynamic PF, it is PF=1 up to 30°C, over 30°C is 0,9

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