



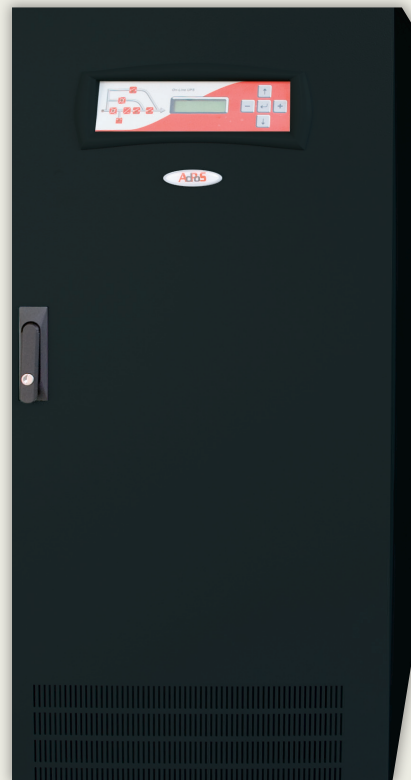
# AdPS

Advanced Power Systems

## Maxi-T


(10 kVA - 200 kVA)  
3 Phase Input /  
3 Phase Output

Maxi-T-Series are, True Online, Double Conversion UPS Systems, manufactured with the state of the art, PWM and IGBT technology, producing microprocessor controlled pure sinewave output to critical loads.



### Features

- Galvanic isolation transformer at the inverter output
- Efficiency up to 93%
- Static and maintenance by-pass
- Emergency stop utility, built in
- Advanced LCD panel providing detailed information (input/output voltage, battery voltage, charging current, interior temperature) and setting user selectable parameters.
- 3 Microprocessors: Main controller board, rectifier board and optional parallel control board
- recorded event history
- Calendar and time indicator
- Advanced automatic and manual battery test system
- Non-linear load driving capability
- Simulation mode for testing dry contact outputs
- Dial up modem direct connection and AT command set built in.
- RS232 and dry contacts for communication and remote monitoring
- Input/Output customization, possible
- SNMP compatible communication
- Compatible with international standards
- 2 year full warranty
- Supply of spare parts guaranteed for 10 years.



*...principle safety*

## Maxi-T

Model	Maxi-T											
Power kVA	10	15	20	30	40	60	80	100	120	160	200	
<b>Input</b>												
Voltage	230 / 400 Vac~ 3 Phase + N, $\pm 15\%$											
By-pass Voltage	230 / 400 Vac~ 3 Phase + N, $\pm 10\%$											
Input frequency	50Hz (60 Hz on request), $\pm 5\%$											
EMI	EN50091-2 Class A											
<b>Output</b>												
Power (kW)	8	12	16	24	32	48	64	80	96	128	160	
Power factor	0,8											
Voltage	230 / 400 Vac~ 3 Phase + N											
Voltage Stability	(balanced load: $\pm 1\%$ ) (unbalanced load: $\pm 2\%$ ) (step load $\pm 5\%$ )											
Voltage recovery time	After step load: Max. 10 ms.											
Frequency	50Hz (60 Hz on request)											
Frequency tolerance (line synchronized)	$\pm 2\%$											
Frequency tolerance (free running)	$\pm 0,2\%$											
Efficiency at (100 % load)	89-91 %						90-92 %					
Crest factor	3:1											
Overload protection Load: 10 Min.	100 - 125 %											
Overload protection Load: 1 Min.	125 - 150 %											
Overload protection Load: By-pass	> 150 %											
Short circuit protection	Electronic short circuit protection											
Total harmonic distortion (THD)	Linear Load: < 3 % Non Linear Load: < 5 %											
<b>Batteries</b>												
Type	Sealed Lead Acid - Maintenance Free											
Number of batteries	30											
Float Charging voltage	405 V=											
End of discharge voltage	300 V=											
Battery ambient temperature	25 °C											
Battery protection	Automatic circuit breaker											
Battery test	Automatic every 72 hrs											
<b>General</b>												
Serial communication	Dry contacts & RS 232											
Software	T-Mon USV Management Software											
EMC	EN62040-1, EN62040-2, EN62040-3											
Temperature range	0 - 40 °C											
Ventilation	Forced air cooling											
Relative humidity	< 90% (non condensed)											
Protection degree	IP20											
Altitude	< 1000 m above sea level											
Acoustic noise	< 56			< 60			< 65			< 70		
Dimensions H x W x D (mm)	1145 x 485 x 675				1400 x 570 x 820		1400 x 710 x 800		1650 x 1100 x 800		1730 x 1195 x 870	
Weight without Batteries (kg)	235	250	266	322	484	562	620	770	810	960	1150	
Quality management	QM-System/ISO 9001											
<b>Options</b>												
Input transformer	Galvanic isolation transformer at the input (in external cabinet)											
Input THD *	10% (with 12- or 18-Pulse Rectifier, according to UPS range) 5% (with 18-Pulse Rectifier + Filter), up to 80 kVA											
Input Power Factor *	0,95 - 0,98 (with 18-Pulse Rectifier)											
Paralell operation	1+3 Systems (hot standby, redundant, symmetric parallel)											
(*)	In some 18 Pulse applications, the standard chassis dimensions may change											

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