

## TAMESIS PLUS SERIES

### On-line UPS double conversion from 10 to 20 KVA



#### Description



The Tamesis Plus series UPS, are three-phase input and single-phase output systems equipped with an IGBT based active rectifier with PWM technology, providing Input Power Factor Correction. In addition to this, they provide management and control systems via SNMP or monitoring software.

Information on the status of the system is presented locally by means of LED diode signalling and an LCD screen with a range of menus.



Tamesis plus 15 KVa

#### Features

- > UPS on-line double conversion
- > Three-phase input/single-phase output
- > Microprocessor digital control technology
- > Power: 10,15, 20 KVA
- > Input power factor  $\geq 0.98\%$
- > Reduced harmonic distortion of output signal
- > LCD display: information about status of UPS
- > RFI filter
- > Wide input voltage range
- > Protections against overloads, short-circuits & low battery voltage
- > Software included for System Monitoring
- > Connection ports: RS232/ RS485
- > Interface and communication software through RS232/RS485
- > Possibility of extended autonomies
- > Manual bypass (15/20 KVA)
- > SNMP card (optional)

- 1 Paralleled Bus
- 2 EPO: emergency power off, USB and RS232
- 3 SNMP card (optional)
- 4 Input/battery switch
- 5 Line-bar cover
- 6 Manual maintenance bypass



Tamesis plus 15 KVA  
Rear connections

domestic use

network

data centers

medicine

telecommunications security

industrial



<b>GENERAL SPECIFICATIONS</b>			
<b>Model</b>	<b>Tamesis plus 10</b>	<b>Tamesis plus 15</b>	<b>Tamesis plus 20</b>
Reference	018266	018267	018268
Power KVA	10	15	20
<b>GENERAL</b>			
Technology	On-Line, double conversion		
Efficiency	>91%		
Overload	105-125%- 10 min:125-150% 1 min		
<b>INPUT</b>			
Voltage range	305 ~454 Vac		
Power factor	≥ 0,98		
Frequency	50 Hz ±5%		
<b>OUTPUT</b>			
Power (KVA/KW)	10/7	15/10.5	20/14
Voltage	220/230 ± 2%		
Output frequency	50Hz ±0,5% (battery mode)		
Type of wave	Pure sinewave		
Harmonic distortion	THD <3% (linear load)		
Crest factor	3:1		
<b>BATTERIES &amp; BACKUP TIME</b>			
Standard battery	Pb VRLA (lead battery with anti-leak seal)		
Backup time	10 min. extended option available		
Charge time	Depending on battery		
<b>INDICATORS</b>			
LCD display	Operating load/Battery status and voltage/ Input and output voltage measurement / Input and output frequency measurement/Supplied power		
Leds	Mains on/ By-pass / Inverter/ Low battery/ Overload/ UPS failure		
Acoustics	Mains failure, overload, low battery		
Control buttons	On-off / Screen forward		
<b>COMMUNICATION</b>			
Control software	UPSilon 2000		
Communications	Connector RS232/RS485 & dry contacts		
Indicators	Automatic functions checking: voltage, input/output frequency, load status, battery capacity, temperature, historic events, system analysis,7 alarms type		
SNMP card (optional)	RS232 SNMP Ethernet converter		
<b>PROTECTION</b>			
Protections	Current limitation, overload, short-circuit & overtemperature		
Maintenance bypass	No	Yes	
RFI filter	Yes		
Battery discharge protection	Yes		
<b>STANDARDS</b>			
Marks	CE		
Directives	EN 62040-1-1:2003 / EN 50091-2:1996		
<b>OTHERS</b>			
Operation temperature	0-40°C		
Relative humidity	0-95% (non-condensing or ice)		
Altitude without decreasing power	1000 over sea level		
Acoustic level	<65dB		
Dimensions WxHxD (mm)	255x740x790		
UPS Weight * (Kg)	35	62	63

\* External batteries, consult weights and dimensions for other autonomies.

Specifications may be changed without notice.