

## TAMESIS SERIES

On-line UPS double conversion with galvanic isolation from 10 to 50 KVA



### Description



The Tamesis series UPS are three-phase input and single-phase output systems and galvanic isolation by high performance output transformer. They have been designed to supply high-quality power on a permanent basis over a power range from 10 to 50 kVA.

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. Information on the unit can also be managed remotely through its powerful software.



Tamesis series 40 KVA



Rear connections  
Tamesis 10/15 KVA



Front connections  
Tamesis 20-50 KVA

### Features

- > UPS online double conversion
- > Three-phase input/single-phase output
- > Microprocessor digital control technology
- > Power: 10,15,20,30,40, 50 KVA
- > Galvanic insulation by output transformer
- > Reduced harmonic distortion of output signal
- > Wide input voltage range
- > Protections against overloads, short-circuits & low battery voltage
- > Software included for System Monitoring
- > Extended battery options available
- > Connection ports: RS232/ RS485
- > Parallel N+1 (optional)
- > LCD display: information about status of UPS
- > Reduced harmonic distortion
- > RFI filters
- > Manual bypass ( $\geq 20\text{Kva}$ )
- > SNMP card (optional)

- ① SNMP adapter (option)
- ② RS232/RS485
- ③ Communication interface
- ④ Paralleled Bus
- ⑤ Input/output switch
- ⑥ Bypass switch
- ⑦ Terminals

domestic use

network

data centers

medicine

telecommunications security

industrial



<b>ESPECIFICACIONES TÉCNICAS</b>						
<b>Model</b>	<b>Tamesis 10</b>	<b>Tamesis 15</b>	<b>Tamesis 20</b>	<b>Tamesis 30</b>	<b>Tamesis 40</b>	<b>Tamesis 50</b>
Reference	018145	018150	018155	018160	018161	018163
Power KVA	10	15	20	30	40	50
<b>GENERAL</b>						
Technology	On-Line, double conversion with galvanic isolation					
Efficiency	>92%					
Overload	125% 1 min		105%- 10 min:150% 1 min			
<b>INPUT</b>						
Voltage range	322~466 Vac					
Frequency	50 Hz ±5%					
<b>OUTPUT</b>						
Power (KVA/KW)	10/7	15/10.5	20/16	30/24	40/32	50/40
Voltage	230Vac ± 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	Up to many hours (depending on connected load)					
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					
Discharge battery 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 power reduction	1000 meters over sea level					
Acoustic level	≤65dBA					
Dimensions WxHxD (mm)	300x740x700		400x800x1180			
UPS Weight * (Kgs)	130	195	205	225	273	304

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

Specifications may be changed without notice.