

FACILITIES AND DATA CENTERS

LEON SERIES

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

Description

The Leon series UPS are three-phase input and single-phase output systems and galvanic isolations 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



LEON SERIES

Performances

- > UPS online double conversion
- > Three-phase input/single-phase output
- > Microprocessor digital control technology
- > Power: 10, 15, 20, 30, 40, 50 KVA
- > Galvanic isolation 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
- > LCD display: information about status of UPS
- > Reduced harmonic distortion
- > RFI filters
- > Manual bypass
- > SNMP card (optional)
- > IP20



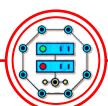
Applications



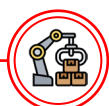
Small Data Center



Medium Data Center



Network & Server



Industrial controls & Process Automation



Medical Equipment



Building Automation



Elevator & Escalator

GENERAL SPECIFICATIONS

Model	Leon 10	Leon 15	Leon 20	Leon 30	Leon 40	Leon 50
Power KVA	10	15	20	30	40	50

GENERAL

Technology	On Line, double conversion with galvanic isolation					
Efficiency	>91%			>92%		
Overload	125% 1 min			105%- 10 min:150% 1 min		

INPUT

Voltage range	304~466 Vac					
Frequency	50 Hz ±5					

OUTPUT

Power (KVA/KW)	10/8	15/12	20/16	30/24	40/32	50/40
Voltage	220/230/240Vac ± 1%					
Output frequency	50Hz ±0,5% (battery mode)					
Type of wave	Pure sinewave					
Harmonic distortion	THD <3% (linear load)					
Power factor	0.8					
Crest factor	3:1					

BATTERIES & BACKUP TIME

Standard battery	Pb VRLA (lead battery with anti-leak seal), 384 VDC (192 VDC optional for up to 30KVA)					
Backup time	Up to many hours (depending on connected load)					
Charge time	Depending on battery					

INDICATORS

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					

COMMUNICATION

Control software	UPSilon 2000					
Communications	Connector RS232/RS485					
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					

PROTECTION

Protections	Current limitation, overload, short-circuit & overtemperature					
Maintenance bypass	Yes					
RFI filter	Yes					
Battery discharge protection	Yes					

STANDARDS

Marks	CE					
Directives	EN 62040-1-1:2003 / EN 50091-2:1996					

OTHERS

Operation temperature	0-40°C					
Relative humidity	0-95% (non condensing or ice)					
Altitude without power reduction	1000 Over sea level					
Acoustic level	≤65dBA					
Dimensions WxDxH-mm (192V)	305x596x890		405x700x955	560x1040x1410	-	-
UPS Weight - Kgs (192V)	160	185	220	285	-	-
Dimensions WxDxH-mm (384V)	560x740x1200					560x1040x1410
UPS Weight - Kgs (384V)	165	220	240	310	360	550

* External batteries, consult weights and dimensions for other autonomies.
Specifications may be changed without notice