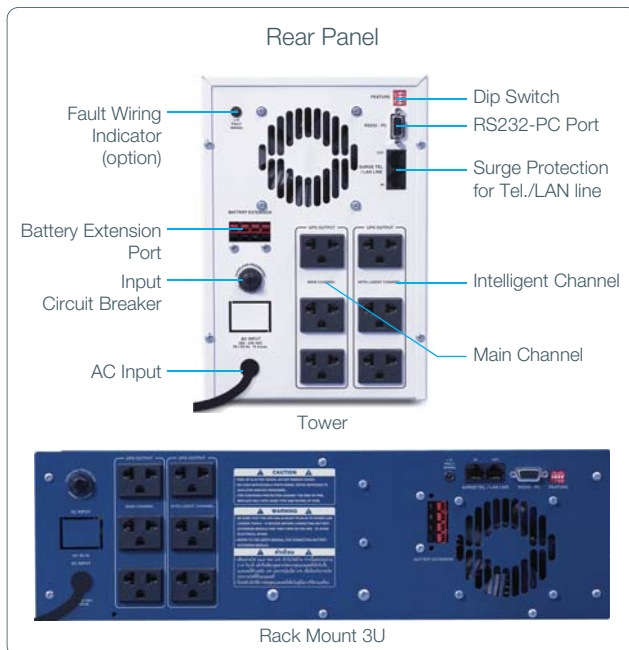


ULTRA SINE

Microprocessor Control and Pure Sine Wave UPS

- High reliability
- High input power factor
- Power Watcher: full time load power monitoring and warning
- Battery Watcher: automatic battery test and alert when battery level is low or deteriorated battery
- Ultra fast charge with 3-stages battery charging
- Intelligent Battery Management (IBM)
- Advanced Load Outlet Management (ALOM)
- Buck / Double Boost Stabilizer
- Surge Protection for telephone and LAN line
- Perfect Ultra Sine Display
- Surge, spike, blackout, brownout, overload and short circuit protection
- Extend backup time by battery extension module
- Free download Easy-Mon X software, the UPS monitoring and management software, at www.leonics.com
- SNMP/HTTP compatibility (option)
- Suitable for workstation, network computers or servers



Rack Mount 3U

Tower

MODEL	TOWER	USC 1050	USC 1600	USC 2000
	RACK MOUNT	USC 1050 RM	USC 1600 RM	USC 2000 RM
Capacity (Pf = 0.6)		1050 VA (630 W)	1600 VA (960 W)	2000 VA (1200 W)

INPUT

Input voltage for utility operation	-35% to +25% of nominal voltage
Nominal Input	220, 230, 240 Vac (single phase), 50 / 60 Hz ± 6% (auto sensing)

OUTPUT

Voltage on battery mode	Pure sine wave at ±1% of nominal input voltage
Frequency on battery mode	50 / 60 Hz ± 0.1% (pure sine wave THD < 3%)
Voltage on AVR mode	±10% of nominal input voltage
Automatic voltage stabilizer	Buck / Double Boost
Transfer time	0.5 to 4 msec.
Overload protection	Battery mode: internal current limiting, AVR mode: Resettable circuit breaker

SURGE PROTECTION AND FILTERING

Surge energy rating, peak current capability	170 Joules, 8,000 Amp x 3 (L-N, L-G, N-G)
Normal mode clamping response time	Fast response time < 25 ns
Normal mode noise suppression	Full time EMI / RFI filtering
Surge energy rating for telephone line	28.5 Joules, 3600 Amp (RJ45 PIN 4, 5)
Surge protection for LAN line (10 Base T)	RJ45 PIN 1, 2, 3, 6

ENVIRONMENTAL

Ambient operation	0 - 95% Relative humidity (non-condensing), 0 to + 45°C (32 to 113 °F)
Audible noise	< 40 dBA at 1 metre

PHYSICAL

Input power cord	Power Cord TIS 166-2549		
Number of outlets	6		
Dimension (W x H x D) (Tower / Rack Mount) (cm)	17.0 x 25.0 x 50.0 cm / 48.2 x 14.0 x 50.0 cm		
Net weight (Tower / Rack Mount) (kg)	25.1 kg / 30.5 kg	28.0 kg / 34.0 kg	33.1 kg / 36.0 kg
Shipping weight (Tower / Rack Mount) (kg)	27.1 kg / 32.5 kg	30.0 kg / 36.0 kg	35.1 kg / 38.0 kg

USER REPLACEABLE BATTERIES

Type	Hot swappable, sealed lead acid (maintenance free)	
Capacity	4 x 12 V 7 Ah (4 x 12 V High Rate is optional)	4 x 12 V High Rate
Recharging time to 80%	< 3 hours	
Management	Replace battery indicator and alarms	

ADVANCE WARNING DIAGNOSTICS

Front panel LEDs	UPS operation mode, Low battery / Replace battery, Fault alarm, Input voltage level, Battery level, Load level, UPS overloaded, Main channel status, Intelligent channel status, Frequency fault, Over temperature
Audible alarms	Battery mode, Low battery, UPS overloaded, Battery replacement, High / Over temperature

COMMUNICATIONS INTERFACE

DB-9 port	Serial interface port can be connected to PC, workstations or servers for automatic unattended shutdown Easy-Mon X* may be required.
SNMP / HTTP capability	Optional (internal / external)

CONFORMANCE

Design regulation	EN 50091-1, EN 50091-2, EN 55022(B), EN 61000-4-2, (4), (6), IEC 801/5/IP21, EMC category C2, TIS 1291-2553
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TYPICAL BACKUP TIME

Compaq Pressario	90	260 min.	260 min.	280 min.
Cabletron MMAC - 8	210	95 min.	95 min.	120 min.
Pentium system w/VGA	270	74 min.	74 min.	93 min.
Dell PowerEdge 4200	360	49 min.	49 min.	70 min.
Dell PowerEdge 6100	480	37 min.	37 min.	50 min.
IBM Netfinity	600	25 min.	25 min.	38 min.
2X HP NetServer LH/LX	750	20 min.	20 min.	31 min.
6X Compaq Prosignias	960	16 min.	16 min.	21 min.
3X IBM PC Server 500/700 series	1,200	-	11 min.	15 min.
3X Compaq Proliant 5000/6000/7000	1,800	-	-	8 min.

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice. RM = Rack Mount UPS

*Easy-Mon X software can download at www.leonics.com. Before installing the software, please check your operating system is compatible with Easy-Mon X software, check OS at www.leonics.com