Interactive

SUPRA-LCD 1100/1600/2100 VA

Line Interactive UPS, with built-in voltage regulator to enlarge the operation input range reducing the battery usage. Offers a modern LCD touch screen for an efficient UPS supervision and AC Line parameters. A complete power protection center for your equipment.



All Information at your fingertips !!!

Touch screen LCD:

An avant garde touch screen allows supervising parameters of UPS and AC line.

With a simple touch, the screen will sequentially show all available data.

Total Power Protection:

Besides voltage fluctuations, Supra-LCD protects all lines against spikes and surges, not only power outlets are protected, but also RJ11 ports, to protect the conection with routers.

Line Interactive Tecnology:

Internal voltage stabilizer regulates AC input to generate an optimal UPS output without the need of using batteries. In this way, input range is wider than similar UPS without interactive technology. Only when AC input is out of this wider input range, Supra go to battery mode to provide reliable energy to your protected products. This gives an input range about 15% wider and battery life longer than UPS without interactive technology.

Auto-Recovery:

A long blackout could discharge batteries completely forcing UPS to power-off. When AC recovery is detected, Supra-LCD is able to restart automatically without the need of manual operation. This feature is especially useful in unattended applications.

Cold Start:

This funcion allows Supra-LCD family to power your equipment even without power in AC Input, like a small power generator.

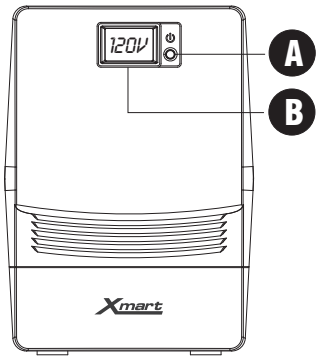
Control Software:

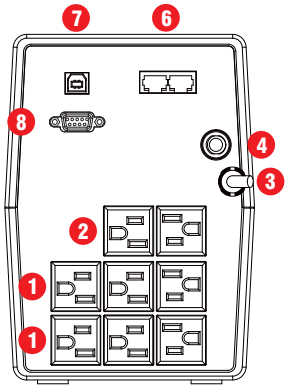
Allows to configure and manage all UPS functions. Besides it can close files and programs, as well as shutdown operating systems and your computer equipment, during long power outage. Control software requires the UPS to have either USB or RS-232 port.

Technical Features / Características Técnicas

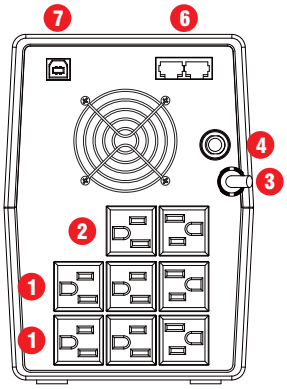
A.- ON/OFF Switch / Interruptor ON/OFF
B.- LCD Display / Pantalla LCD
1.- Battery supported outlets / Salidas respaldadas por baterías
2.- Surge protected outlets (no battery) / Salidas protegidas contra picos (sin batería)
3.- AC Input / Entrada Corriente Alterna
4.- Input breaker / Disyuntor de entrada
5.- Input fuse / Fusible de entrada
6.- Surge protected socket / Conector protegido RJ45
7.- USB
8.- RS-232

Panel Trasero

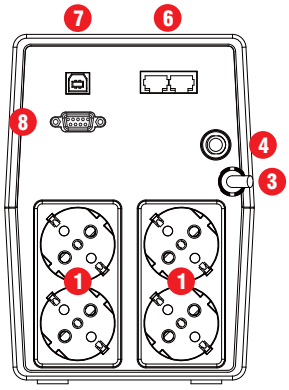




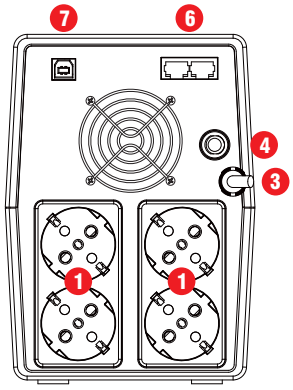
SUPRA 1101
NEMA (120V & 220V)



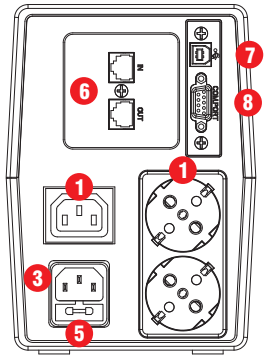
SUPRA 1601 / 2101
NEMA (120V & 220V)



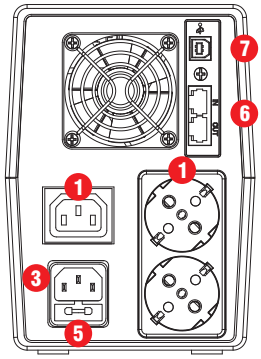
SUPRA 1101
SCHUKO (220V)



SUPRA 1601 / 2101
SCHUKO (220V)



SUPRA 1103
IEC+SCHUKO (220V)



SUPRA 1603 / 2103
IEC+SCHUKO (220V)

Standards & Certifications: CE

IEC Low Voltage Directives

IEC60950-1:2001: Information Technology Equipment – Safety-Part1: General Requirement

EN62040-1-1:2003: Uninterrumpible Power Systems (UPS) Part 1-1: General and Safety requirements for UPS used in operator access areas

IEC EMC Directives

EN 62040-2: 2006: Uninterrumpible Power Systems (UPS) Part 2: Electromagnetic compatibility class C2 (EMC)

IEC 61000-4-2: 2001: Electrostatic discharge immunity test

IEC 61000-4-3: 2002: Radiated, radio-frequency electromagnetic field immunity test

IEC 61000-4-4: 2004: Electrical fast transient/burst immunity test

IEC 61000-4-5: 2005: Surge immunity test

IEC 61000-2-2: 2002: Compatibility levels for low-frequency conducted disturbances and signaling in public low-voltage power supply systems

Other brands and logos belog to their respective owners. Certifications apply according to destination country and product model.

Technical Features / Características Técnicas

INTERACTIVE UPS	1100	1600	2100
Capacity / Capacidad	1.100VA / 600W	1.600VA / 900W	2.100VA / 1200W
Input / Entrada			
Voltage / Voltaje	Model 120V: (89-145 Vac) - Model 220V/230V: (162-268Vac)		
Frequency / Frecuencia	60 Hz / 50 Hz: Auto Sensing / Autodetección		
Generator Compatible / Compatible con motogeneradores	Yes / Sí		
Output / Salida			
Voltage / Voltaje	Model 120V: +/- 10% - Model 220V/230V: +/- 10%		
Frequency / Frecuencia	60Hz (+/- 1Hz) - 50Hz (+/- 1Hz)		
Transfer Time / Tiempo Transferencia:	2 - 6 ms typical / típico		
Waveform / Forma de Onda (Normal Mode)	Sinewave / Sinusoidal		
Waveform / Forma de Onda (Battery Mode)	Simulated Sinewave / Sinusoidal Sintetizada		
Batteries / Baterías			
Type / Tipo	Sealed Lead Acid, Maintenance Free (VRLA AGM) / Acido Plomo Sellada Sin Mtto. (VRLA AGM)		
Capacity / Capacidad	7AH	9AH	9AH
Quantity / Cantidad	2 pcs/pzs	2 pcs/pzs	2 pcs/pzs
Typical Back-up Time / Autonomía Típica **(N1*)**	40 min. max.	48 min. max.	55 min. max.
Recharge Time / Tiempo de Recarga	4-6 hours to 90% capacity / 4-6 Horas hasta 90% de capacidad		
Protections / Protecciones	Deep discharge and overcharge / Descarga Profundas y Sobre-Cargas		
Alarms-Indications / Alarmas-Indicaciones			
Interface / Interfaz	Touch LCD / Pantalla LCD táctil		
Acoustic Alarm / Alarma Sonora	Battery Mode / Low Battery / Overload / Battery Replacement / UPS Fault		
Operation Mode / Modo de Operación	Dedicated symbols for each operation mode on LCD / Modo de operación en LCD		
Alarms / Alarmas	Alarm & fault codes are presented on LCD / Alarmas y códigos de falla en LCD		
LCD Information / Información en Pantalla	Input/Output Voltage, UPS mode, Battery level (%), load (%), Alarm codes // Voltajes de entrada y salida, Nivel de baterías (%), Carga (%), Alarmas		
Protections / Protecciones			
Input Circuit Breaker / "Breaker" de Entrada	With Reset / Rearmable		
Surge/Spikes Protection (Line H-N)	Power Outlet with surge & spikes protection: L-N		
Protección contra Picos / Rayos (Línea L-N)	Tomas de Salida Protegidas contra Picos/Rayos: L-N		
Surge & Spikes Prot. / Prot. Picos & Rayos (RJ11/RJ45)	Tel/Internet/Ethernet RJ45/RJ11		
Total Suge Suppression / Supresión Total	120V Model: (> 758J) - 220V & 230V Models :(>175J)		
Features / Funcionalidades			
Power Outlets per model / Tomas por modelo			
Models: 1101 / 1601 / 2101 - NEMA 120V & 220V	8 x NEMA5-15R (6 with Backup + 2 Surge Protected)		
Models: 1101 / 1601 / 2101 - SCHUKO 230V	Schuko x 4 (all battery backup & protected)		
Models: 1103 / 1603 / 2103 - IEC+SCHUKO 230V	IEC x 1 + Schuko x 2 (all battery backup & protected)		
LCD Touch Secreen / LCD Táctil	Touch LCD to go to next value on screen / Tocar el LCD para ir al siguiente valor en pantalla		
Communication / Comunicación	USB+RS232	USB	USB
Software / Software	Compatible: Windows family; Mac OS; Linux; Unix		
Product Size & Net Weight (DxWxH) Dimensiones & Peso Neto del Producto	325 x 135 x 185 mm 8.5 Kg	325 x 135 x 185 mm 10.5 Kg	325 x 135 x 185 mm 11.2 Kg
Operating / Condiciones de Operación:	< 95% RH / 0-40ºC		
Acoustic Noise / Ruido Acustico			
Operating Altitude / Altura Operativa	0-2000m (Over sea level / Sobre el nivel del mar)		
Packing / Empaque: 1 unit per carton / Cartón individual			
Unit Size & Gross Weight (DxWxH) Dimension & Peso Bruto Unitario	399 x 198 x 280 mm 9 Kg	399 x 198 x 280 mm 10.8 Kg	399 x 198 x 280 mm 11.8 Kg
Half Pallet Information / Información Medio Pallet DxWxH	60pcs / 555Kg 120 x 100 x 127cm	60pcs / 663Kg 120 x 100 x 127cm	60pcs / 723Kg 120 x 100 x 127cm
Full Pallet Information / Información Full Pallet DxWxH	105pcs / 960Kg 120 x 100 x 225cm	105pcs / 1149Kg 120 x 100 x 225cm	105pcs / 1254Kg 120 x 100 x 225cm
Safety & Standards			
For 220V & 230V	CE (Low Voltage Directive 2006/95/EC & EMC Directive 2004/108/EC)		
Conduction & Radiation (Models 220V/230V)	IEC / EN 62040-2 (Class 2 EMC)		
Quality & Enviroment	RoHS / ISO9001 & ISO14001		

Tech. Specs. may change without further notice or to comply with special project requirements. Las especif. pueden cambiar sin aviso previo o para cumplir con proyectos.

N1*: Times for 1PC + TFT load / Tiempos para 1PC + Pantalla TFT