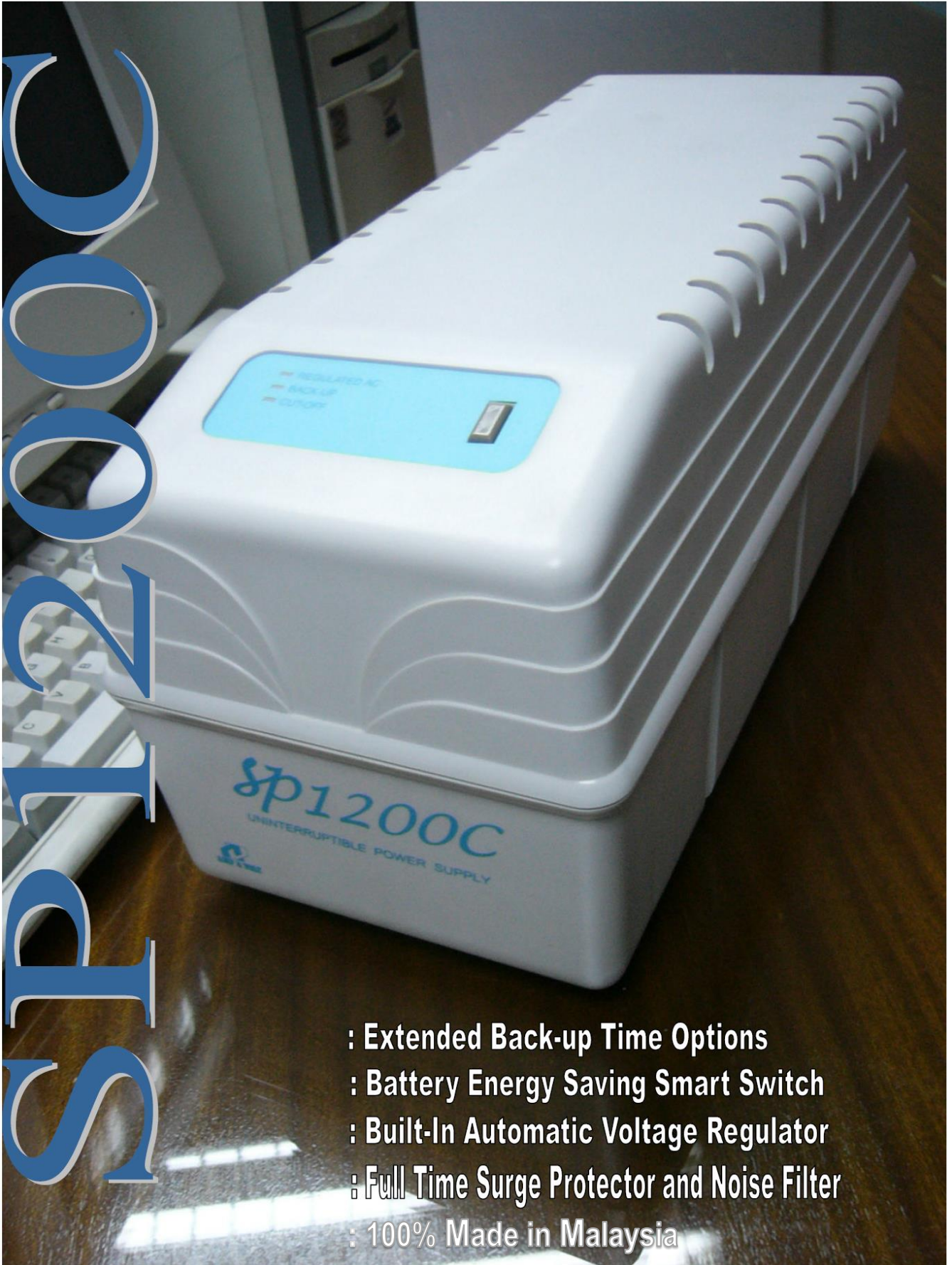





SP1200C UPS

SP1200C



- : Extended Back-up Time Options
- : Battery Energy Saving Smart Switch
- : Built-In Automatic Voltage Regulator
- : Full Time Surge Protector and Noise Filter
- : 100% Made in Malaysia

SP1200C UPS

TECHNICAL SPECIFICATIONS	
Model No	SP 1200C
Power Rating	1200 VA
INPUT	
Voltage	140 - 290 VAC
Frequency	50Hz / 60Hz +/- 5%
Over Load	Fuse Protection
OUTPUT	
Voltage (Back-up Mode)	220Vac / 240Vac +/-3%
Frequency	50Hz / 60Hz
Automatic Voltage Regulation	AVR automatically increases (boost-up) output Voltage by 12% if Input Voltage is -10% - 25% of nominal. AVR decreases (buck) Output Voltage by -12% if Input Voltage is +10% to -25% of nominal
Waveform (Utility Mode)	Sine Wave
Waveform (back-up Mode)	Modified Sine Wave with Proper Vrms and Vpeak
Transfer Time	2 ~ 4 ms
Synchronization	Back-up waveform is synchronized to utility supply automatically
PROTECTION	
Surge	4500A (max) instantaneous response
Electrical Noise	EMI / RFI Filter
Overload (Utility)	Fuse
Overload (back-up)	Electronic Cut-off
Battery Over Discharge	Electronic Protection and Audible Alarm
INDICATOR and ALARM	
Green LED "  " light	Normal utility Mode
Amber LED "  " light	Back-up (Battery) Mode
Red LED "  " light	UPS cut-off due to over loading or Low Battery Reserve
Audible (Buzzer)	8 sec interval to indicate Back-up Mode. 1 sec interval (back-up Mode) to indicate Low Battery Reserve 1 sec interval (Utility Mode) to indicate Defective Battery (Battery replacement)
BATTERY	
Type	Sealed Maintenance Free / Flooded Battery
Designed Operational Life	5 years
Charger	Automatic CICV Topology
Maximum Charging Current	10Amp (Automatic)
Battery Condition Monitoring System	The BCM system test and monitor the condition of the Battery Automatically. LED light and audible alarm will sound every 1 sec if defective battery is detected. The BCM system also control the charging and discharging procedure to protect the battery from being damaged due to "Over-Charging" or "Over-Discharged"
OTHERS	
Size (W x H x L) cm	16.8 x 16.6 x 39.6
Weight (Kg)	8
Acoustic	Virtually No Noise
Operating Temperature	0 - 40° C
Operating Humidity	Less than 90% without condensating
LAN Interface	Standard

specifications are subject to change without prior notice.

Battery Monitoring System (BCM)

The System designed to monitor and control the operational condition of the built-in UPS Batteries.

The voltage, current, temperature, emergency reserve... of the battery is being monitored and controlled to ensure the maximum battery efficiency and Operational life. Audio / Visual (buzzer and LED light) signals are given to alert the users when defective Battery is detected during the Utility mode before power failure occur, hence pro-active action (Replace Battery) can be taken to prevent catastrophe as Battery is the UPS Life Line.

Extended Back-up Time Options

The System is designed for extended back-up time with external Battery Banks.

Communication Interface Port

The UPS is equipped with communication interface to provide the security of an automatic, unattended shutdown to all major operating systems including :- Windows, NT Unix, Novell and etc.

Full time Surge Suppression and Noise Filtering

The on-line surge suppression prevents hardware damage, longer system operational life; the Noise filter is designed to prevent EMI / RFI from affecting Computer Operation or introduce "error" into data files.

On-line AVR

The Automatic Voltage Regulator is always on-line with the computer to step-up the under-voltage, or step-down the over-discharge from the utility supply to a safe level for the computer operation.

DC "power-on"

Some of the UPS in the market can only be powered-on if the UPS is connected to utility, the SP1200C UPS series can be powered-on without connecting to the utility.

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