

# DALTON

## Smart Line interactive UPS Simulated Sinewave



### SM10 Series (600-3000VA)



- Fully intelligent line Line-interactive UPS with VI technology.
- AVR buck and boost technology to auto-stabilise voltage fluctuations and extend battery life.
- LCD graphical display for easy and accurate monitoring.
- Double protection for overload/short circuit.
- Smart communications USB and RJ-11/45 ports, interface cables and monitoring software included.
- Cold start function with auto-restart facility.
- Microprocessor based design. Compact design.
- UPS Auto on when AC back.
- Off mode charging.
- Compatible with Windows, Linux, SCO UNIX and DOS.
- Intelligent battery management and fast charging.
- Double protection for overload/short circuit.

# Technical Specifications

MODEL	SM 600	SM 1200	SM 1500	SM 2000	SM 3000
Rated power	600 VA / 360 W	1200 VA / 720 W	1500 VA / 900 W	2000 VA / 1200 W	3000 VA / 1800 W
Input AC voltage	(100/110/120Vac or 220/230/240 Vac) ± 5Vac				
Input Voltage Range	100 / 110 / 120 V: 80 ~ 150 Vac; 220 / 230 / 240 V: 162 ~ 295 Vac (145 ~ 295 Vac optional)				
Frequency input range	50 Hz / 60 Hz (auto-sense), 50 Hz / 60 Hz ± 5% ~ 10%				
Inverter output range	100 / 110 / 120 Vac ± 10% or 220 / 230 / 240 Vac ± 10%				
Output Frequency (Line)	50 / 60 Hz ± 1% (auto-sensing)				
Waveform	Simulated sinewave				
Inverter Efficiency	Max. 75%		Max. 80%	Max. 85%	Max. 90%
Generator connection	Available (generator input power is settable)				
Transfer time	Typical 2 ~ 7 ms				
Batteries Number	12 V / 7 Ah	12 V / 7 Ah x 2	12 V / 8 Ah x 2	12 V / 9 Ah x 2	12 V / 9 Ah x 4
Battery charging	8 hrs. to fully charged / 6 hrs. to 90% charged				
Charging current	1 A				
Rated DC Voltage	12V	24V	24V	24V	48V
THD resistive load	≤ 5%				
Short circuit	Auto protection. Output shuts off and The buzzer beeps continuously.				
Overload Inverter load	110% for 60 s, 125% for 10 s, 150% for 5 s (shut down directly)				
Protections	Overload, short circuit (inverter), battery low voltage, battery overcharge, over temperature				
Operating temperature	0°C~40°C				
Operating humidity	0-90% RH @ 0- 40°C (non-condensing)				
Noise	≤35dB(1m from front panel)				
Output Socket	IEC or Schuko*				
Communication	USB & RJ45 (standard), dry contacts / SNMP (optional)				
Network protection	RJ45/11 surge protector				
Dimensions (W × D × H) (mm)	100 × 290 × 140	140 × 345 × 170		125 × 380 × 225	170 x 400 x 250
Net weight (kg)	5	9	10	14	20

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