



SMG-500 / 800 /
1000 / 1500AL

SMG-2000 / 2500 /
3000 / 5000AL

SMART GUARD UPS SERIES FEATURES

- 500 VA ~ 5 KVA pure sine wave output
- Wide input voltage range (140 ~ 275 VAC)
- Toroidal Transformer (C.R.G.O. Transformer) technology, more energy-saving
- Integrated frequency automatic tracking technology, generator compatible
- Excellent microprocessor control guarantees high reliability
- AVR function for voltage stabilization
- Large charging current design for external big capacity battery application
- Advanced battery management to increase battery longevity, performance and reliability
- Over discharge and overcharge protection
- Overload and short circuit protection
- Very low unloading current and audible noise
- Very low electromagnetic interference
- Battery connector reversed polarity protection (Optional)

APPLICATIONS

- Home Appliances
- Office Equipment
- Motorize Equipment
- Medical Equipment



SMART GUARD LINE INTERACTIVE UPS SPECIFICATION

MODEL	SMG-500AL	SMG-800AL	SMG-1000AL	SMG-1500AL	SMG-2000AL	SMG-2500AL	SMG-3000AL	SMG-5000AL
Capacity	500 VA / 300 W	800 VA / 500 W	1000 VA / 700 W	1500 VA / 1050 W	2000 VA / 1400 W	2500 VA / 1800 W	3000 VA / 2100 W	5000 VA / 3500 W
INPUT								
Voltage	220 VAC							
Voltage Range	140 ~ 275 VAC							
Frequency Range	45 ~ 65 Hz							
OUTPUT								
Voltage	220 VAC ± 3% for inverter; 190 ~ 245 VAC for AVR							
Frequency	50 / 60 Hz ± 0.3 Hz, subject to the main							
Transfer Time	≤ 4ms							
Waveform	Pure sine wave							
Harmonic Distortion	≤ 3%							
TRANSFORMER								
Transformer	C.R.G.O. toroidal transformer							
EXTERNAL BATTERY								
Battery Voltage	12 VDC	12 VDC	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC	48 VDC
Charge Voltage	13.8 V ± 0.5 V	13.8 V ± 0.5 V	13.8 V ± 0.5 V	27.6 V ± 0.6 V	27.6 V ± 0.6 V	27.6 V ± 0.6 V	55 V ± 1 V	55 V ± 1 V
Low Battery Voltage Limit	10.9 V ± 0.3 V	10.9 V ± 0.3 V	10.9 V ± 0.3 V	21.8 V ± 0.6 V	21.8 V ± 0.6 V	21.8 V ± 0.6 V	42 V ± 1 V	42 V ± 1 V
Battery Low Voltage Protection Point	10.2 V ± 0.3 V	10.2 V ± 0.3 V	10.2 V ± 0.3 V	20.5 V ± 0.6 V	20.5 V ± 0.6 V	20.5 V ± 0.6 V	41 V ± 1 V	41 V ± 1 V
Charging Current (Programmable)	10 / 15 A	10 / 15 A	10 / 15 / 20 A	10 / 15 A	10 / 15 / 20 A	10 / 15 / 20 A	10 / 15 A	10 / 15 A
PROTECTION								
Full Protection	Overload / high temperature / output high voltage / output low voltage / battery low voltage / short circuit / over-charge / over-discharge / reversed polarity (optional)							
INDICATOR								
Display	LED graphic							
Display Status	Working & loading & battery							
PHYSICAL								
Dimension (D x W x H) (mm / in)	340 x 146 x 210 / 13.4 x 5.7 x 8.3				383 x 220 x 275 / 15.1 x 8.7 x 10.8			
Net Weight (kg / lb)	6.7 / 14.8	7.3 / 16.1	8.7 / 19.2	9.7 / 21.4	13.3 / 29.3	15.1 / 33.3	16.4 / 36.2	21.9 / 48.3