

# SMARTMASTER

SERIES

1-20 kVA

1:1

PHASE

ONLINE UPS



DATA CENTER



EMERGENCY



MEDICAL



INDUSTRY



TRANSPORT



UPS ONLINE



TOWER



POWER FACTOR



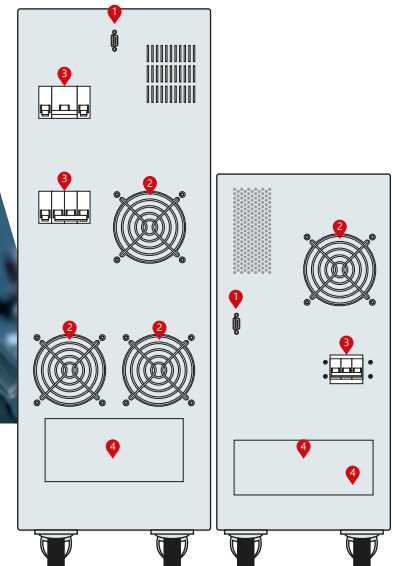
SERVICE



## Comprehensive Single Phase Power Protection For Harsh Environments

- + Online Double Conversion
- + Built-in Isolation Transformer
- + Output Power Factor 0.8
- + Wide Input Voltage Range: 165-275VAC
- + Wide Input Frequency Range
- + Support Generator Input
- + Advanced Battery Management
- + Self-Diagnosis Function
- + Cold Start
- + SNMP Card/Relay Card (Optional)

- + Strong Protection For Sensitive Loads
- + Wide Input Voltage Range
- + Built-in Isolation Transformer



1. RS232 Port
2. Fan
3. Input Breaker
4. Connection Box
5. Entrance Hole
6. Active Wheel

MODEL	SM801	SM802	SM803	SM804	SM806	SM808	SM810	SM812	SM815	SM820	
Capacity	1kVA	2kVA	3kVA	4kVA	6kVA	8kVA	10kVA	12kVA	15kVA	20kVA	
Power Watt	0.8kW	1.6kW	2.4kW	3.2kW	4.8kW	6.4kW	8kW	9.6kW	12kW	16kW	
<b>INPUT</b>											
Nominal Voltage	220 / 230 VAC										
Operating Voltage Range	165 ~ 275 VAC										
Operating Frequency Range	50 / 60 Hz (±5%)										
Power Factor	>0,97 (With Filter)										
Max. Input Current (A)	12	18	24	30	42	54	66	78	96	112	
<b>OUTPUT</b>											
Output Voltage	220 VAC (±0.5%) / 230 VAC (±0.5%)										
Output Frequency	50 / 60 Hz (±0.5%)										
Crest Factor	3:1 (Max)										
Efficiency	>82%			>85%			>88%				
Harmonic Distortion (THD)	<1.5% (Linear Load)										
<b>BATTERY</b>											
Battery Voltage	48 VDC or 192 VDC				192 VDC						
<b>SYSTEM FEATURES</b>											
Transfer Time	0 ms (Line Mode - Battery Mode)										
Overload	>125% : 1min, >150% : 200ms										
Communication Interface	RS232, SNMP Card (Optional), Dry Contact (Optional)										
<b>ENVIRONMENTAL</b>											
Operation Temperature	0°C~40°C										
Storage Temperature	-25°C~55°C										
Humidity	0%~95% (Non-Condensing)										
Altitude	<1500 m										
Noise Level	<55 dB										
<b>STANDARDS</b>											
Safety	IEC/EN62040-1, IEC/EN60950-1										
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8										
<b>DIMENSIONS &amp; WEIGHT</b>											
Dimensions WxDxH (mm)	230 x 580 x 720 (S) 250 x 500 x 635 (H)					305 x 585 x 864			409 x 798 x 1044		
Net Weight (S/H) (kg)	85/45	85/50	99/54	102/57	108/63	105	115	125	180	200	

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