



SAMSUNTM SOLAR

SMART PRO PURE SINE WAVE UPS



1100 | 1500/12V, 2300 | 3500/24V & 3500 | 5000/48V

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TECHNICAL SPECIFICATIONS

MODEL	1100	1500
Volt	12V	

VOLTAGE LIMITS NARROW WINDOW (UPS MODE)

Mains A.C. Low Cut	185 ± 10V
Mains A.C. Low Cut Recovery	190 ± 10V
Mains A.C. High Cut	265 ± 10V
Mains A.C. High Cut Recovery	260 ± 10V

VOLTAGE LIMITS WIDE WINDOW (W-UPS MODE)

Mains A.C. Low Cut	85 ± 10V
Mains A.C. Low Cut Recovery	90 ± 10V
Mains A.C. High Cut	290 ± 10V
Mains A.C. High Cut Recovery	275 ± 10V

OUTPUT PARAMETER

Mains Output	Same as Input (45Hz-55Hz)
Output Frequency	50.0 Hz. ± 0.1 Hz
Output Voltage with Full Load	200V/220V ± 15V
Waveform	Sine Wave
Overload	Above 100%
Short Circuit Protection	>200% Load (Few msec)

BATTERY CHARGING

FLC based SMPS charging with soft start over full range of mains	85V to 290V ± 10V
Battery type	SMF/TUBULAR/LI
MaxCharging Current	15A
Recommended Battery Capacity	100AH-225AH
Number of Batteries	1

TECHNOLOGY

Micro-Processor Based Bidirectional Technology.
Fuzzy Logic Control Technology

PROTECTION

Bi- Directional Technology	Electronic Circuit Breaker	Extra Protection MCB (Miniature Circuit Breaker)
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ENVIRONMENT

Storage Temp.	0-50°C	
Operating Temp.	0-40°C	
Humidity	90% Non-condensing	
Dimension (W X D X H) in mm	275 X 268 X 116	
Weight Net (Kg)	10.7 Kg	16 Kg

Note : Specifications are subject to change without any prior notice.

TECHNICAL SPECIFICATIONS

MODEL	2300	3500
Volt	24V	

VOLTAGE LIMITS NARROW WINDOW (UPS MODE)

Mains A.C. Low Cut	185 ± 10V
Mains A.C. Low Cut Recovery	190 ± 10V
Mains A.C. High Cut	265 ± 10V
Mains A.C. High Cut Recovery	260 ± 10V

VOLTAGE LIMITS WIDE WINDOW (W-UPS MODE)

Mains A.C. Low Cut	85 ± 10V
Mains A.C. Low Cut Recovery	90 ± 10V
Mains A.C. High Cut	290 ± 10V
Mains A.C. High Cut Recovery	275 ± 10V

OUTPUT PARAMETER

Mains Output	Same as Input (45Hz-55Hz)
Output Frequency	50.0 Hz. ± 0.1 Hz
Output Voltage with Full Load	200V/220V ± 15V
Waveform	Sine Wave
Overload	Above 100%
Short Circuit Protection	>200% Load (Few msec)

BATTERY CHARGING

FLC based SMPS charging with soft start over full range of mains	85V to 290V ± 10V
Battery type	SMF/TUBULAR/ LI
MaxCharging Current	20A
Recommended Battery Capacity	100AH-225AH
Number of Batteries	2

TECHNOLOGY

Micro-Processor Based Bidirectional Technology.
Fuzzy Logic Control Technology

PROTECTION

Bi- Directional Technology	Extra Protection MCB (Miniature Circuit Breaker)
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ENVIRONMENT

Storage Temp.	0-50°C	
Operating Temp.	0-40°C	
Humidity	90% Non-condensing	
Dimension (W X D X H) in mm	308 x 302 x 275	
Weight Net (Kg)	19.2Kg	27.2Kg

Note : Specifications are subject to change without any prior notice.

TECHNICAL SPECIFICATIONS

MODEL	3500	5000
Volt	48V	

VOLTAGE LIMITS NARROW WINDOW (UPS MODE)

Mains A.C. Low Cut	185 ± 10V
Mains A.C. Low Cut Recovery	190 ± 10V
Mains A.C. High Cut	265 ± 10V
Mains A.C. High Cut Recovery	260 ± 10V

VOLTAGE LIMITS WIDE WINDOW (W-UPS MODE)

Mains A.C. Low Cut	85 ± 10V
Mains A.C. Low Cut Recovery	90 ± 10V
Mains A.C. High Cut	290 ± 10V
Mains A.C. High Cut Recovery	275 ± 10V

OUTPUT PARAMETER

Mains Output	Same as Input (45Hz-55Hz)
Output Frequency	50.0 Hz. ± 0.1 Hz
Output Voltage with Full Load	200V/220V ± 15V
Waveform	Sine Wave
Overload	Above 100%
Short Circuit Protection	>200% Load (Few msec)

BATTERY CHARGING

FLC based SMPS charging with soft start over full range of mains	85V to 290V ± 10V	
Battery type	SMF/TUBULAR/ LI	
MaxCharging Current	20A	10A, 15A, 20A, 25A
Recommended Battery Capacity	100AH-225AH	
Number of Batteries	4	

TECHNOLOGY

Micro-Processor Based Bidirectional Technology.
Fuzzy Logic Control Technology

PROTECTION

Bi- Directional Technology	Extra Protection MCB (Miniature Circuit Breaker)
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ENVIRONMENT

Storage Temp.	0-50°C	
Operating Temp.	0-40°C	
Humidity	90% Non-condensing	
Dimension (W X D X H) in mm	350 x 620 x 325	
Weight Net (Kg)	29.5Kg	47.9 Kg

Note : Specifications are subject to change without any prior notice.