

 **100%**  
Copper Coil

**SAMSUN<sup>®</sup>**  
**SOLAR**

**GOLDEN  
SERIES**

**GOLDEN+  
SERIES**

**PURE SINE WAVE UPS  
900/12V**



Support  
Surge Load



Lightning  
Protection



LCD and LED  
Indication



Solar Compact  
Design

## GOLDEN SERIES TECHNICAL SPECIFICATIONS

Connection Type	Single Phase
Inverter output power	900VA
Power Factor	0.7
Battery input voltage	12V
Mains input voltage	230V AC, 50Hz
Mains input range	0V-270V, 45Hz to 65Hz
Mains high voltage withstand	Up to 440V
AC output (Inverter)	50/60Hz
Battery full Cut-off	14.5V
Inverter output waveform	Pure sine wave (harmonic distortion less than 1%)
Inverter topology	Bridge type center aligned switching MOSFET based
Battery charging voltage	Intelligent 4 stage charger constant current/constant voltage SMPS charging with full charge cut off.
Charging current	Settable from 1A to 15A
Charging working range	120V-270V AC Mains input
Inverter high cut-off voltage	270v
Inverter low cut-off voltage	100v
UPS high cut-off voltage	265v
UPS low cut-off voltage	180v
Battery low warning	10.5v
Battery low cut-off	10V
Operating temperature	00C TO 55°C
Cooling fan auto-ON temp.	70°C
Cooling fan auto-OFF temp.	60°C
Storage temperature	-15°C TO 60°C
Humidity	5% to 95% Relative humidity (Non-condensing)
Inverter protection	Overload, short circuit, battery deep discharging

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