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SOL-UPO11

1012/2024/3048WM



FEATURES

- Pure sine wave solar inverter.
- True online double-conversion.
- Selectable high power charging current.
- Wide DC input range.
- Parallel operation up to 9 units.
- Selectable input voltage range for home appliances and personal computers.
- Configurable AC/Solar input priority via LCD setting.
- Compatible to mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance.
- Cold start function

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Model	1012 WM	2024 WM	3048 WM
Rated power	1000VA/700W	2000VA/1400W	3000VA/2600W
Entrada			
Voltage	120 VCA		
Voltage range	95-140 VCA		
Frequency range	50Hz/60Hz (auto sensing) \pm 4Hz		
Power factor	\geq 0.98 @ nominal voltage (100% carga)		
THDi	\leq 10%		
Output			
AC Voltage regulation (line&batt. mode)	120 VCA \pm 5%		
Frequency range (synchronized range)	46~54 Hz o 56~64 Hz		
Frequency range (batt. mode)	50 Hz \pm 0.1 Hz o 60 Hz \pm 0.1 Hz		
Harmonic distortion	\leq 3% THD (linear load); \leq 5% THD (non-linear load)		
Transfer time (AC mode to batt. mode)	0ms		
Transfer time (inverter to Bypass)	4 ms (typical)		
Waveform	Pure sine wave		
Efficiency			
Line mode	>90%		
ECO mode	98%		
Battery mode	88%	90%	92%
Battery			
Battery voltage	10~16 VCD	20~31 VCD	40~61 VCD
Floating charge voltage	13.5 VCD	27 VCD	54 VCD
Overcharge protection	16 VCD	32 VCD	64 VCD
Solar charger & AC charger			
Solar charger type	MPPT		
Maximum PV array power	1000 W	2000 W	4000 W
MPTT range @ operation voltage	15~115 V	30~115 V	60~115 V
Maximum PV array open circuit voltage	145 VCD		
Maximum solar charge current	80A		
Maximum AC charge current	60A		
Physical			
Dimension, D x W x H (mm)	12.0 x 29.5 x 46.8		
Net weight (Kgs)	10.5	11.0	11.5
Communication interface	RS232		
Operating environment			
Humidity	5% to 95% relative humidity (non-condensing)		
Operating temperature	-10°C a 50°C		
Storage temperature	-15°C a 60°C		

Product specifications are subject to change without further notice

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