

SOLAR UPS

3kW

- SBU (Solar, Battery, Utility) priority smart management
- Built-in 1KW or 1.5KW MPPT solar charger
- True double-conversion
- Input power factor correction
- Wide input voltage (110V-280V)
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Optional Isolation transformer for full isolation and complete common mode noise rejection
- Comprehensive display allows easy monitoring and access of UPS & solar energy status



TECHNICAL SPECIFICATIONS

MODEL		SOLAR UPS 3kW
Phase		1 Faz
Capacity		3000 VA / 2400 W
INPUT		
Nominal voltage		220/230/240VAC
Input voltage range		110-280 VAC
Frequency range		40 Hz ~ 70 Hz
Power factor		≥ 0.95 @ Nominal Voltage (100% load)
OUTPUT		
Output voltage		220/230/240VAC
Voltage regulation		± 1 %
Frequency range (synchronized range)		47~ 53 Hz or 57 ~ 63 Hz
Frequency range (batt. mode)		50 Hz or 60Hz ± 0.1 Hz
Current crest ratio		3:1
Harmonic distortion		≤ 3 % THD (Linear Load) ; ≤ 6 % THD (Non-linear Load)
Transfer time	AC mode to battery mode	Zero
	Inverter to bypass	4 ms (Typical)
Waveform (Batt. mode)		Pure Sinewave
EFFICIENCY		
AC mode		90%
Battery mode		88%
BATTERY		
Battery voltage		72 VDC
Charging current (max.)		1A/2A/4A/6A (Default), adjustable by internal jumper
Charging voltage		82.1VDC ± 1%
SOLAR CHARGER		
Solar charger type		MPPT
Maximum PV array open circuit voltage		145 VDC
Maximum PV array power		1500W
MPP range @ operating voltage		90 VDC ~115 VDC
Maxmum solar charge current	AC mode	20 A
	Battery mode	15 A
PHYSICAL		
Dimension, HxWxD (mm)		332 x 145 x 400
Net weight (kg)		12.3
ENVIRONMENT		
Humidity		20-90 % RH @ 0- 50°C (Non-condensing)
Noise level		Less than 50dB @ 1 Meter
MANAGEMENT		
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC
Optional SNMP		Power management from SNMP manager and web browser