

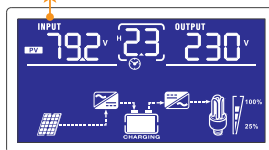
Solar Online UPS



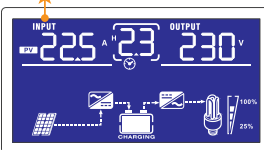
- SBU (Solar, Battery, Utility) priority smart management
- Built-in 1KW or 1.5KW MPPT solar charger
- True double-conversion
- Input power factor correction
- Wide input voltage (110V-280V)
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Optional Isolation transformer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

Comprehensive Solar Energy Information

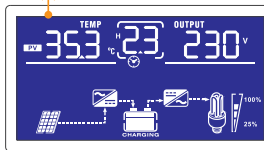
MPPT Charging Voltage



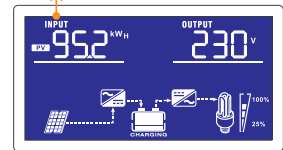
MPPT Charging Current



MPPT Temperature



MPPT Total Energy Generation



Solar Online UPS 1KVA-3KVA Selection Guide

MODEL	1KL	2KL	3KL
PHASE	Single phase with ground		
CAPACITY *	1000 VA / 800 W	2000 VA / 1600 W	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 Inverter to Bypass	Zero 4 ms (Typical)	
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode	88%	89%	90%
Battery Mode	83%	87%	88%
BATTERY			
Battery Voltage	36 VDC	72 VDC	72 VDC
Charging Current (max.)	1A/2A/4A/6A (Default), adjustable by internal jumper		
Charging Voltage	41.0VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%
SOLAR CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC	145 VDC
Maximum PV Array Power	1000W	1500W	1500W
MPP Range @ Operating Voltage	40 VDC - 115 VDC	90 VDC - 115 VDC	90 VDC - 115 VDC
Maximum Solar Charge Current	AC Mode: 20A Battery Mode: 15A	20A 15A	20A 15A
PHYSICAL			
Dimension, D x W x H (mm)	282 x 145 x 332	400 x 145 x 332	
Net Weight (kgs)	7.6	12	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		

**Derate to 80% of capacity in Frequency converter mode
Product specifications are subject to change without further notice.