



SAFE SOLAR-UPS

- Built-in boost and buck AVR
- Built-in solar charger
- User-configurable setting via LCD panel
- Compatible with mains voltage or generator power
- Flexible mechanical design to suit wall-mounting and desktop
- Suitable for home appliances and personal computers
- Intelligent communication

DUSOL SAFE-SOLAR UPS is specifically designed for areas where frequency brown-outs and black outs are experienced. Brown outs are unintentional drop in line voltages for a short duration usually lasting minutes or sometimes seconds before it returns back to normal. Black out is total loss or disconnection of power.

DUSOL SAFE-SOLAR UPS is a combination that provides clean and uninterrupted power both during brown-outs as well as during black outs. While providing UPS function, this unit has an additional function of AVR that cleans the power during brown-outs.

With DUSOL SAFE-SOLAR UPS, you are assured of receiving only the pure form of electricity to power your most vulnerable appliances.



TECHNICAL DATA SHEET

MODEL	SAFE SOLAR-UPS 3K	SAFE SOLAR-UPS 5K
Rated Power	3000VA/2400W	5000VA/5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
AC Voltage Regulation (AVR Mode)	230VAC \pm 10%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	100VDC	145VDC
Maximum Solar Charge Current	40A	80A
Maximum AC Charge Current	30 A	60 A
Maximum Charge Current	70A	140A
PHYSICAL		
Dimension, D x W x H (mm)	340 x 380 x 88	420 x 397 x 120
Net Weight (kgs)	13	17
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 55°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.