

## ONLINE UPS

RELIABLE POWER BACKUP  
FOR CRITICAL INFRASTRUCTURE



### Solar UPS 5KW



True Double  
Conversion



DSP  
Technology



Parallel  
Operation



ECO Mode &  
High Efficiency



LCD Display &  
EPO Function

## SPECIFICATION

MODEL	Solar UPS 5KW	
MAXIMUM PV INPUT POWER	4000W	
CAPACITY	5000VA/5000W	
<b>INPUT</b>		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing) $\pm$ 4Hz	
Power Factor	> 0.98 @ Nominal Voltage (100% Load)	
THDi	< 10%	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)	50 Hz	
Harmonic Distortion	$\leq$ 3% THD (Linear Load), ; $\leq$ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform	Pure Sinewave	
<b>EFFICIENCY</b>		
Line Mode	93.0%	
ECO Mode	99.0%	
Battery Mode	90.0%	
<b>BATTERY</b>		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	4000 W	
MPPT Range @ Operating Voltage	60 ~ 115 VDC	
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum Solar Charge Current	80 A	
Maximum AC Charge Current	60 A	
<b>PHYSICAL</b>		
Dimension, D x W x H(mm)	465 x 190 x 336	
Net Weight (kgs)	16	
Communication Interface	RS232 & USB	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

ESIS Power Energy reserves the right to modify these details at any time without prior notification.