

Presenting

Generation **5** Online UPS

1 - 3 KVA

SHORT BACKUP UPS



Topology

- IGBT Technology, True on line double conversion.
- Input power factor corrector 0.99(PFC)
- Automatic bypass, allow to transfer the load to the mains in case of overload or internal fault.
- Single Phase Input & Output

Charger

- Charger works even if the input switch is in OFF position (1-3KVA)

- Current limit and constant voltage charger
- Over Voltage Protection
- Charger On/Off controlled by CPU

Battery

- Cold start : the unit can start on battery
- Battery deep discharge protection: minimum battery level linked with customer load level

Salient Features

- Nominal voltage: output voltage can be modified through UPS LCD Setting (200/208/220/230/240V)
- Frequency synchronization: Within 50/60Hz 3Hz by default, the output frequency is synchronized with input mains.
- Automatic restart after short circuit: maximum 3 times and space 10min.
- Energy saving (ECO) : the input regulation range setting can be modified through UPS driver)
- Generator compatible
- SNMP + USB + RS-232 communications
LCD Display

+91 91005 33369
support@konstant.co.in
www.konstant.co.in

RAJDEEP ENERGIES PVT LTD

Regional Office: No : 5/315 A,
St Mary's Street, Santhosh Nagar,
(Near Kandanchavady), Palavakkam, Chennai – 600 096.



Specifications

MODEL		KONST1K3SB	KONST3K8SB
CAPACITY*		1000VA/900W	3000VA / 2700W
INPUT			
Voltage range	Low Line Transfer	160VAC/140VAC/120VAC/110VAC ± 5 % (based on load percentage 100% - 80 % / 80 % - 70 % / 70 - 60 % / 60 % - 0)	
	Low Line comeback	175VAC/155VAC/135VAC/125VAC ± 5 %	
	High Line Transfer	300 VAC ± 5 % or 150 VAC ± 5 %	
	High Line comeback	290 VAC ± 5 % or 145 VAC ± 5 %	
Frequency Range		40Hz ~ 70 Hz	
Phase		Single phase with ground	
Power Factor		≥ 0.99 @ full load	
THDi		≤ 5% @ 205-245VAC	
		THDU < 1.6% @ input and full linear load condition	
OUTPUT			
Output voltage		200/208/220/230/240VAC	
AC Voltage Regulation		± 1% (Batt. Mode)	
Frequency Range (Synchronized Range)		47 ~ 53 Hz	
Frequency Range		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz (Batt. Mode)	
Current Crest Ratio		3:01	
Harmonic Distortion		≤ 2 % THD (Linear Load) ; 4 % THD (Non-linear Load)	
Transfer time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	< 4 ms	
Waveform		Pure Sinewave	
EFFICIENCY			
AC Mode		90%	91%
Battery Mode		89%	90%
BATTERY			
Battery Type		12V/7AH	12V/9AH
Numbers		3	8
Recharge Time		4 hours recover to 90% capacity (Typical)	
Charging Current		2A default	
Charging Voltage		41.0 VDC ±	109.6 VDC ±
		1%	1%
PHYSICAL			
Dimension, D X W X H (mm)		397 X 145 X 220	421 X 190 X 318
	Net Weight (kgs) (incl. batt)	13	33
ENVIRONMENT			
Operation Humidity		20-95 % RH @ 0- 40°C (non-condensing)	
Noise Level		Less than 50dBA @ 1 Meter (With fan speed control)	
MANAGEMENT			
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

