

# E2 SERIES

ENERGY EFFICIENT HIGH FREQUENCY ONLINE UPS

1KVA/24-1B

INTERNAL BATTERIES

1KVA/36V

EXTERNAL BATTERIES

E2 series ensures synchronization of the hardware, software, analytics and ongoing services to ensure its customers' vital applications run continuously, perform optimally as per the requirement. This series is based on High Frequency Double Conversion IGBT technology with static bypass which improves reliability and operates with configurable output voltage settings. The fixed output frequency can be synchronized with the input frequency.

## FEATURES:

- Inbuilt over voltage cut off device.
- Isolation transformer (Optional)
- Generator Compatible
- Configurable output voltage settings
- Smart display for real time information
- EMI noise filter
- Advances PFC technology
- Robust design with enhanced reliability
- Waveform (Battery Mode): Pure Sine wave



## BENEFITS:

**EFFICIENCY:** AC mode-88%, Battery mode-83%

**NOISE LEVEL:** Less than 50dBA@ 1meter (with fan speed control)

**SNMP (OPTIONAL):** Power management from SNMP manager and web browser. Over heating indication and protection.



## TECHNICAL SPECIFICATIONS

MODEL	E <sup>2</sup> 1 KVA 24V IB	E <sup>2</sup> + 1 KVA 36V EB
CAPACITY	1KVA/800W	1KVA/800W
DC VOLTAGE SYSTEM	24VDC	36VDC
INPUT		
VOLTAGE RANGE	110VAC ± 5 % ~ 300VAC ± 5 %	
FREQUENCY RANGE	40Hz ~ 70Hz	
PHASE	SINGLE PHASE WITH GROUND	
POWER FACTOR	≥0.99 @ FULL LOAD	
OUTPUT		
OUTPUT VOLTAGE	200 / 208 / 220 / 230 / 240VAC	
AC VOLTAGE REGULATION	±1%	
FREQUENCY RANGE (BATTERY MODE)	50 Hz ± 0.1 Hz OR 60Hz ± 0.1Hz	
CURRENT CREST RATIO	3:1	
HARMONIC DISTORTION	≤3% THD (Linear Load) ; 6% THD (Non-Linear Load)	
OVERLOAD CAPABILITY	105%~110%: UPS SHUTS DOWN AFTER 10 MINUTES AT BATTERY MODE OR TRANSFER TO BYPASS WHEN THE UTILITY IS NORMAL. 110%~130%: UPS SHUTS DOWN AFTER 1 MINUTE AT BATTERY MODE OR TRANSFER TO BYPASS WHEN THE UTILITY IS NORMAL. >130%: UPS SHUTS DOWN AFTER 3 SECONDS AT BATTERY MODE OR TRANSFER TO BYPASS WHEN THE UTILITY IS NORMAL.	
TRANSFER TIME	AC MODE TO BATTERY MODE: 0 / INVERTER TO BYPASS: <4 ms (Typical 2.5ms)	
WAVEFORM (BATTERY MODE)	PURE SINEWAVE	
EFFICIENCY		
EFFICIENCY (AC MODE / BATT. MODE)	88% / 83%	89% / 85.5%
BATTERY & CHARGER		
BATTERY TYPE / BATTERY NUMBERS	SMF 12V / 9AH X 2Nos. (In-Built Batteries)	SMF UPTO 65AH (External Batteries)
CHARGING CURRENT	1A	1A/2A/4A/6A (default) Selectable via LCD settings
PHYSICAL		
DIMENSION LXWXH(MM)	282 X 145 X 220	282 X 145 X 220
NET WEIGHT(KGS.)	9.8KGS.	4.5 KGS.
ENVIRONMENT		
OPERATING HUMIDITY / TEMP.	20-95% RH @ 0-40°C (Non-Condensing)	
NOISE LEVEL	LESS THAN 50 dBA @ 1 METER (WITH FAN SPEED CONTROL)	
STATUS INDICATIONS		
LED/LCD	LCD DISPLAY INDICATIONS	
MANAGEMENT		
SNMP (OPTIONAL)	POWER MANAGEMENT FROM SNMP MANAGER AND WEB BROWSER	

\*Product specifications are subject to change without prior notice.

