

**ESIS POWER ENERGY**

# ONLINE UPS

RELIABLE POWER BACKUP  
FOR CRITICAL INFRASTRUCTURE



## Voltify II 1K-3KVA



True Double  
Conversion



DSP  
Technology



Parallel  
Operation



ECO Mode &  
High Efficiency



LCD Display &  
EPO Function

## SPECIFICATION

| MODEL                                | Voltify II 1K (E)   | VoltifyII 1.5 (E)                               | Voltify II 2K (E) | Voltify II 3K (E) |             |                             |
|--------------------------------------|---|---|-------------------|-------------------|-------------|-----------------------------|
| PHASE                                | Single phase with ground  |   |                   |                   |             |                             |
| CAPACITY                             | 1000 VA / 900 W   | 1500 VA / 1350 W                                | 2000 VA / 1800 W  | 3000 VA / 2700 W  |             |                             |
| <b>INPUT</b>                         |   |   |                   |                   |             |                             |
| Nominal Voltage                      | 100/110/115/120/127 VAC or 200/208/220/230/240 VAC  |   |                   |                   |             |                             |
| Voltage Range                        | 55 - 150 VAC $\pm$ 5 % or 110 - 300 VAC $\pm$ 5 % at 50% load<br>80 - 150 VAC $\pm$ 5 % or 160 - 300 VAC $\pm$ 5 % at 100% load |   |                   |                   |             |                             |
| Frequency Range                      | 40 Hz ~ 70 Hz   |   |                   |                   |             |                             |
| Power Factor                         | $\geq$ 0.99 @ Nominal Voltage (100% Load)   |   |                   |                   |             |                             |
| THDi                                 | $\leq$ 5% @100~130VAC or 205-245VAC<br>THDU < 1.6% @ input and full linear load condition with battery fully charged            |   |                   |                   |             |                             |
| <b>OUTPUT</b>                        |   |   |                   |                   |             |                             |
| Output Voltage                       | 100/110/115/120/127 VAC or 200/208/220/230/240 VAC  |   |                   |                   |             |                             |
| AC Voltage Regulation (Batt. Mode)   | $\pm$ 1%  |   |                   |                   |             |                             |
| Frequency Range (Synchronized Range) | 47~53 Hz or 57~63 Hz  |   |                   |                   |             |                             |
| Frequency Range (Batt. Mode)         | 50 Hz $\pm$ 0.1 Hz or 60Hz $\pm$ 0.1 Hz   |   |                   |                   |             |                             |
| Current Crest Ratio                  | 3:1   |   |                   |                   |             |                             |
| Harmonic Distortion                  | $\leq$ 2 % THD (Linear Load) ; $\leq$ 4 % THD (Non-linear Load)   |   |                   |                   |             |                             |
| Transfer Time                        | AC Mode to Batt. Mode   | Zero  |                   |                   |             |                             |
|                                      | Inverter to Bypass  | 4 ms (Typical)                                  |                   |                   |             |                             |
| Waveform (Batt. Mode)                | Pure Sinewave   |   |                   |                   |             |                             |
| <b>EFFICIENCY</b>                    |   |   |                   |                   |             |                             |
| AC Mode                              | 90%   |   | 91%               |                   |             |                             |
| ECO Mode                             | 97%   |   |                   |                   |             |                             |
| Battery Mode                         | 89%   | 89%   | 89%               | 90%               |             |                             |
| <b>BATTERY</b>                       |   |   |                   |                   |             |                             |
| Standard Model                       | Battery Type  | 12 V / 7 Ah                                     | 12 V / 9 Ah       | 12 V / 7 Ah       | 12 V / 9 Ah | 12 V / 7 Ah                 |
|                                      | Numbers   | 3   | 3                 | 6                 | 6           | 8                           |
|                                      | Typical Recharge Time   | 4 hours recover to 90% capacity                 |                   |                   |             |                             |
|                                      | Charging Current (max.)   | 1.5 A   |                   |                   |             | 1.2 A                       |
|                                      | Charging Voltage  | 41.0 VDC $\pm$ 1%                               |                   | 82.1 VDC $\pm$ 1% |             | 109.6 VDC $\pm$ 1%          |
| Long-run Model                       | Battery Type  | Depending on the capacity of external batteries |                   |                   |             |                             |
|                                      | Numbers   | 3   | 3                 | 6                 | 6           | 8                           |
|                                      | Charging Current (max.)   | 1A/2A/4A/6A/8A (Selectable)                     |                   |                   |             | 1A/2A/4A/6A/7A (Selectable) |
|                                      | Charging Voltage  | 41.0 VDC $\pm$ 1%                               |                   | 82.1 VDC $\pm$ 1% |             | 109.6 VDC $\pm$ 1%          |
| <b>INDICATORS</b>                    |   |   |                   |                   |             |                             |
| LCD Display                          | UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions                              |   |                   |                   |             |                             |
| <b>ALARM</b>                         |   |   |                   |                   |             |                             |
| Battery Mode                         | Sounding every 5 seconds  |   |                   |                   |             |                             |
| Low Battery                          | Sounding every 2 seconds  |   |                   |                   |             |                             |
| Overload                             | Sounding every second   |   |                   |                   |             |                             |
| Fault                                | Continuously sounding   |   |                   |                   |             |                             |
| <b>PHYSICAL</b>                      |   |   |                   |                   |             |                             |
| Standard Model                       | Dimension, D x W x H (mm)   | 397 x 145 x 220                                 |                   | 421 x 190 x 318   |             |                             |
|                                      | Net Weight (kgs)  | 12  | 13.8              | 22.5              | 26.6        | 32.2                        |
| Long-run Model                       | Dimension, D x W x H (mm)   | 397 x 145 x 220                                 |                   | 421 x 190 x 318   |             |                             |
|                                      | Net Weight (kgs)  | 6.3   | 6.5               | 10.5              | 11.7        | 11.7                        |
| <b>ENVIRONMENT</b>                   |   |   |                   |                   |             |                             |
| Humidity                             | 20-95 % RH @ 0- 40°C (Non-condensing)   |   |                   |                   |             |                             |
| Noise Level                          | Less than 50dB @1Meter  |   |                   |                   |             |                             |
| <b>MANAGEMENT</b>                    |   |   |                   |                   |             |                             |
| 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 capacity to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100VAC, 200VAC or 208VAC.

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