

ESIS POWER ENERGY

ONLINE UPS

RELIABLE POWER BACKUP
FOR CRITICAL INFRASTRUCTURE



Voltify III RT 1K-3K PF1



True Double
Conversion



DSP
Technology



Parallel
Operation



ECO Mode &
High Efficiency



LCD Display &
EPO Function

SPECIFICATION

MODEL	Voltify III 1K - 2B(L)	Voltify III 1K - 3B(L)	Voltify III 1.5K(L)	Voltify III 2K - 4B(L)	Voltify III 2K - 6B(L)	Voltify III 3K(L)	
PHASE	Single phase with ground						
CAPACITY*	1000 VA / 1000 W		1500 VA / 1500 W		2000 VA / 2000 W	3000VA / 3000W	
INPUT							
Nominal Voltage	200*/208*/220/230/240 VAC						
Input Voltage Range	110 ~ 300 VAC (Based on load at 50%) 160 ~ 300 VAC (Based on load at 100%)						
Frequency Range	40 Hz ~ 70 Hz						
Power Factor	≥ 0.99 @ nominal voltage (100% load)						
THDi	≤ 5% @ nominal voltage (100% load)						
OUTPUT							
Output Voltage	200*/208*/220/230/240 VAC						
AC Voltage Regulation (Batt. Mode)	± 1 %						
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz						
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz						
Current Crest Ratio	3:1						
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)						
Transfer Time	AC to DC	Zero					
	Inverter to Bypass	4 ms (Typical)					
	ECO to Battery mode	8 ms (Typical), 10 ms(max)					
Waveform (Batt. Mode)	Pure Sinewave						
EFFICIENCY							
ECO mode @ full charged battery	96%		97%		97%		
AC Mode @ full charged battery	92%		92%		93%	94%	
Battery Mode	86%	89%	89%	88%	89%	91%	
BATTERY							
Standard Model	Battery Type	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
	Numbers	2	3	3	4	6	6
	Typical Recharge Time	4 hours recover to 90% capacity for internal battery					
	Charging Current (CC)	1.5A					
	Charging Voltage (FV)	27.4VDC ± 1%	41.0VDC ± 1%	41.0VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%	82.2VDC ± 1%
Long-run Model	Battery Type and Numbers	12V x 2 pcs	12V x 3 pcs	12V x 3 pcs	12V x 4 pcs	12V x 6 pcs	12V x 6 pcs
	Charging Current (max.)	8A(1A/2A/4A/6A/8A adjustable through LCD)					
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	41.0VDC ± 1%	54.8VDC ± 1%	82.2VDC ± 1%	82.2VDC ± 1%
INDICATORS							
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator Via LCD						
PHYSICAL							
Standard Model	Dimension, D x W x H (mm)	310 x 438 x 88	410 x 438 x 88		510 x 438 x 88	550 x 438 x 88	
	Net Weight (kgs)	11	13.5	14.7	19	23	26.7
Long-run Model	Dimension, D x W x H (mm)	310 x 438 x 88					
	Net Weight (kgs)	5.2		6.7		7.4	
ENVIRONMENT							
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® family, Linux, Unix and MAC						
Optional external Slot (for SNMP, Dry contact, ...)	Power management from SNMP manager and web browser						
STANDARD							
EMC/Safety	CE (EMC: EN62040-2 C2)						

* Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.

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