ESIS POWER ENERGY

ONLINE UPS

RELIABLE POWER BACKUP FOR CRITICAL INFRASTRUCTURE

Voltify Pro 1KVA-10KVA

- True Double Conversion
- DSP Technology
- Parallel Operation
- ECO Mode & High Efficiency
- LCD Display & EPO Function

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SPECIFICATION

MODEL		Voltify Pro 1K(L)	Voltify Pro 2K(L)	Voltify Pro 3K(L)	Voltify Pro 6K(L)		Voltify Pro 10K(L)	
PHASE		Single phase with ground						
CAPACITY*		1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000VA / 4800W		10000 VA / 8000 W	
INPUT								
Nominal Voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC			
Input Voltage Range		55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)			
Frequency Range		40 Hz ~ 70 Hz			46~54 Hz or 56~64 Hz			
Power Factor		≧ 0.99 @ Nominall Voltage (100% load)						
OUTPUT								
Output Voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC			
Voltage Regulation		± 1 %						
Frequency Range (Synchronized Range)		47~53 Hz or 57 ~ 63 Hz			46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz or 60Hz ± 0.1 Hz			
Current Crest Ratio		3:1						
Harmonic Distortion		≦ 3 % THD (Linear Load) ≦ 6 % THD (Non-linear Load)			≦ 3 % THD (Linear Load) ≦ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Battery Mode	Zero						
	Inverter to Bypass	4 ms (Typical)			Zero			
Waveform (Batt. Mode)		Pure Sinewave						
EFFICIENCY								
AC Mode		88%	89%	90%	92%		93%	
Battery Mode		83%	87%	88%	90%		91%	
BATTERY								
Standard Model	Battery Type	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah	12 V / 9 Ah			
	Numbers	2	4	6	16	20	16	20
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity			
	Charging Current (max.)	1 A			1 A / 2 A			
	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC±1%	273VDC ±1%	218.4 VDC±1%	273VDC ±1%
Long-run Model **	Battery Type	Depending on the capacity of external batteries						
	Numbers	2 / 3	4 / 6 / 8	6 / 8	16 ~ 20 (Adjustable)			
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)			
	Charging Voltage	27.4VDC±1% / 41.0VDC ± 1%	54.7 VDC±1% / 82.1 VDC ±1% / 109.4VDC±1%	82.1 VDC ±1% / 109.4VDC ±1%	273 VDC ±1% (Based on 20pcs batteries)			
INDICATORS								
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators						
ALARM								
Battery Mode		Sounding every 4 seconds						
Low Battery		Sounding every second						
Overload		Sounding twice every second						
Fault		Continuously sounding						
PHYSICAL								
Standard Model	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	442 x 190 x 688		
	Net Weight (kgs)	9.8	17	27.6	61	74	66	76
Long-run Model **	Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220		369 x 190 x 318		442 x 190 x 318	
	Net Weight (kgs)	4.1	6.8	7.4	12		16	
ENVIRONMENT								
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)			0-95% RH @ 0-50°C (non-condensing)		0-95% RH @ 0-40°C (non-condensing)	
Noise Level		Less than 50dB @ 1 Meter			Less than 55dB @ 1 Meter		Less than 58dB @ 1 Meter	
MANAGEMENT								
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						

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.
6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC.
**Long-run model is only available for 208/220/230/240VAC systems

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