



VP Series

VP1101L, 1102L, 1103L

for Home & Office PC

- True double-conversion
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together

MODEL	VP1101L		VP1102L		VP1103L	
PHASE			Single phase with ground			
CAPACITY *	1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W	
INPUT						
Nominal Voltage	110/115/120/127VAC or 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%)					
Frequency Range	40 Hz ~ 70 Hz					
Power Factor	≥ 0.99 @ Nominall Voltage (100% load)					
OUTPUT						
Output Voltage	110/115/120/127VAC or 208/220/230/240VAC					
Voltage Regulation	± 1 %					
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz					
Current Crest Ratio	3:1					
Harmonic Distortion	≤ 3 % THD (Linear Load) ; ≤ 6 % THD (Non-linear Load)					
Transfer Time	AC Mode to Battery Mode		Zero			
	Inverter to Bypass		4 ms (Typical)			
Waveform (Batt. Mode)	Pure Sinewave					
EFFICIENCY						
AC Mode	88%		89%		90%	
Battery Mode	83%		87%		88%	
BATTERY						
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah
	Numbers	2		4		6
	Typical Recharge Time	4 hours recover to 90% capacity				
	Charging Current (max.)	1 A				
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%
Long-run Model **	Battery Type	Depending on the capacity of external batteries				
	Numbers	2	3	4	6	8
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)				
	Charging Voltage	27.4VDC±1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%
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
	Net Weight (kgs)	9.8		17		27.6
Long-run Model **	Dimension, D x W x H (mm)	282 x 145 x 220		397 x 145 x 220		
	Net Weight (kgs)	4.1		6.8		7.4
ENVIRONMENT						
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)					
Noise Level	Less than 50dB @ 1 Meter					
MANAGEMENT						
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

*Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.

**Long-run model is only available for 208/220/230/240VAC systems .

Product specifications are subject to change without further notice.

An ISO 9001:2015 Certified Company

