

VERGEN

DURABLE & RELIABLE

UNINTERRUPTIBLE POWER SUPPLY

VERGEN Uninterruptible Power Supply Solutions deliver reliable and efficient energy management for various applications, ensuring optimal performance and minimal downtime.



Best Quality
Materials



High Durability



Energy Efficient



Advanced Power
Management

VERGEN



1~3kVA

ONLINE TOWER UPS



Power Range
1~3kVA



Operation
1P/1P Online Double
Conversion



Max. Charging
Up to 12A

Application

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristic

- High efficiency up to 96%.
- Wide input voltage range of 110~300Vac.
- Output PF=1, high load adaptability.
- Max charging current up to 12A.

1~3kVA

ONLINE TOWER UPS

VERGEN 1~3kVA Online Tower UPS is a reliable and efficient power protection solution designed for critical systems. With true double-conversion technology, it ensures a stable and clean power supply for sensitive equipment.

SPECIFICATIONS TABLE

Model	VG1TU	VG1TU-LB	VG2TU	VG2TU-LB	VG3TU	VG3TU-LB	
Rate power	1kVA/1kW	1kVA/1kW	2kVA/2kW	2kVA/2kW	3kVA/3kW	3kVA/3kW	
Cold start	Default output 50/60Hz						
Input voltage range	110~300VAC;100% load@176VAC~276VAC, 100%~50% power derating@110VAC~176VAC, 50% load@276VAC~300VAC						
Input power factor	≥0.99						
Frequency range	50/60±5Hz(default), ±3Hz/±10Hz(settable)						
Output power factor	1.0						
Output	Rate voltage	220/230/240VAC, 200/208VAC(PF=0.9)					
	Load response	≤5% (0% - 100% -0%)					
	Recovery time	≤40ms (0% - 100% -0%)					
	Output THDu	≤2% , Linear load ; ≤ 5% non-linear load according to IEC62040-3					
Transfer time	Main to BAT	0					
	INV to BYP	4ms					
Crest factor	3:1						
Efficiency (normal mode)	Max 96%						
Noise (1 meter)	43dB@<60%load, 47dB@>60%load		<50dB@<60%load,<55dB@>60%load		<50dB@<60%load,<55dB@>60%load		
Overload	Normal	102%~110%: 30mins, 110%~125%:10mins, 125%~150%: 30 seconds					
	Battery mode	102%~110%: 1min, 110%~125%: 10 seconds, 125%~150%:5 seconds					
	Bypass mode	<130%: long time, 130%~150%:10mins, 150%~180%:5 seconds					
Battery	Model	12VDC/7/9Ah	Depend on external battery	12VDC/7/9Ah	Depend on external battery	12VDC/7/9Ah	Depend on external battery
	Quantity	2/3		4/6		6/8	
	Max charging	1A	1-12A(settable)	1A	1-12A(settable)	1A	1-12A(settable)
	Rate voltage	36VDC		72VDC		96VDC	
Standard	EPO, RS232						
Option	SNMP card, AS400, USB, RS485, BMS by dry contact, Air filter						
Dimension ,W*D*H(mm)	144*355*226		190*400*328	144*398*223	190*400*328	144*398*223	
Weight (kg)	10.5	4.5	20.5	6	25	6	

Statement: The products will continue to be innovative and optimized, which may lead to asynchronized updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.



SINGLE

6~20kVA

PHASE TOWER UPS



Power Range
6~20kVA



Operation
1P/1P Online Double
Conversion



Max. Charging
Up to 5A

Application

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristic

- Self-aging function to save test energy.
- 3-level topology, high performance and efficiency.
- Online double conversion, full digital control.
- Output PF=1, high load adaptability.
- Wide range of input voltage tolerance.
- Adapt to half-wave load.
- Auto fault waveform recording.
- Intelligent battery management.

SINGLE

6~20kVA

PHASE TOWER UPS

VERGEN 6~20kVA Single Phase Tower UPS is a robust and reliable uninterruptible power supply designed for mission-critical applications. Ideal for IT infrastructure, telecommunications, and industrial environments.

SPECIFICATIONS TABLE

Model	VG6TU	VG6TU-LB	VG10TU	VG10TU-LB	VG15TU-LB	VG20TU-LB
Rate Power	6k VA/6kW	6kVA/6kW	10kVA/10kW	10kVA/10kW	15kVA/15kW	20kVA/20kW
Cold start	Default output 50/60Hz					
Input voltage range	110~288VAC (220/230/240VAC); 176VAC~288VAC,full load;176~110 VAC ,power derate from 100% to 50%					
Input power factor	≥0.99					
Frequency range	40-70Hz					
Output frequency	50/60Hz, self adaption					
Output power factor	1					
Rate output	220/230/240VAC					
Load regulation	±1%					
Output THDu	≤1%THD, linear load; ≤5%THD, non-linear load					
Transfer time-main to BAT	0ms					
Transfer time-INV to BYP	0ms					
Efficiency-normal mode	Max 95%					
Efficiency-ECO mode	98%					
Noise (1 meter)	58dB				62dB	
Overload (normal mode)	110%:10mins;125%:1min;150%: 30 seconds					
Battery	Model	12VDC/7/9Ah	External, 16-24 settable	12VDC/7/9Ah	External, 16-24 settable	External, 16-24 settable
	Quantity	16/18/20		16/18/20		
	Max charging	1A	5A	1A	5A	5A
	Rate voltage	Default 192VDC, settable				
Crest	3:1					
Display	LED+LCD					
Standard	RS232, EPO, RS485					
Option	AS400, SNMP card, Parallel kit, Maintenance bypass kit, 12A charger, Air filter					
Dimension, W*D*H (mm)	190*605*705	190*605*338	190*605*705	190*605*338	190*564*550	
Weight (kg)	56	14	60	16	30	

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Power Range
10~20kVA



Operation
3/1, Online
Double
Conversion



Max. Charging
Up to 5A



Material
Durable &
Best Quality

**3/1
SINGLE**

10~20kVA

PHASE TOWER UPS

Application

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.

Characteristic

- Self-aging function to save test energy.
- 3-level topology, high performance and efficiency.
- Online double conversion, full digital control.
- Output PF=1, high load adaptability.
- Wide range of input voltage tolerance.
- Adapt to half-wave load.
- Auto fault waveform recording.
- Intelligent battery management.

3/1 SINGLE

10~20kVA

PHASE TOWER UPS

VERGEN 10~20kVA Single Phase Tower UPS is a robust and reliable uninterruptible power supply designed for mission-critical applications. Ideal for IT infrastructure, telecommunications, and industrial environments.

SPECIFICATIONS TABLE

Model	VG10TU-LB	VG15TU-LB	VG20TU-LB
Rate Power	10kVA	15kVA	20kVA
Cold start	Default output 50/60Hz		
Input voltage range	190~499VAC(L-L)		
Input power factor	≥0.99		
Frequency range	40-70Hz		
Output frequency	50/60Hz, self adaption		
Output power factor	1		
Rate output	220/230/240VAC		
Load regulation	±1%		
Output THDu	≤1%, Linear load ; ≤3%, non-linear load according to IEC62040-3		
Transfer time-INV to BYP	0ms		
Efficiency- normal mode	Max 95%		
Efficiency- ECO mode	98%		
Noise (1 meter)	<55dB	<62dB	<62dB
Overload (normal mode)	110%: 10mins; 125%: 1min; 150%: 30 seconds		
Battery	Model	External batteries, 16-24 settable	
	Quantity		
	Max charging	5A	
	Rate voltage	Default 192VDC, settable	
Crest factor	3:1		
Standard	RS232, RS485, EPO		
Option	AS400, SNMP card, Parallel kit, USB, 12A charger, Air filter, Single Input kit, Maintenance bypass kit		
Dimension,(W*D*H) mm	190*564*500		
Weight (kg)	30		

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