

# TOWER 110V C1~3KVA

Online UPS 1:1phase PF: 0.9  
110V In/ 110V Out



## Features

- High frequency on-line double conversion
- DSP (Digital signal processors) control
- UPS start up without battery
- Wide input voltage range 60~145V
- Wide input frequency range 40~70Hz
- Generator compatible
- Cold start
- Remote On Off (ROO) function (optional)
- Economic operation mode (ECO)
- 50Hz / 60Hz Frequency auto sensing
- Frequency converter mode: 50Hz input / 60Hz output or 60Hz input / 50Hz output.
- Active input power factor correction, input power factor > 0.99
- Laser printer and ultrasound system load acceptable (customized)
- Communications: RS232 (standard), USB / MODBUS / RS485 / SNMP / AS400 cards (optional)
- Reliable design, made with strong glass fiber base (FR4) double side PCB, well designed ventilation and conformal coating

## Rear Panel



- 1.RS232 port
- 2.EPO /ROO (Remote On Off) port
- 3.USB port
- 4.Intelligent slot for SNMP/MODBUS/Dry contact card etc.
- 5.External battery connector
- 6.Input circuit breaker
- 7.AC input
- 8.AC output
- 9.Output terminal block

1KVA

3KVA

## Technical Specifications : Accept Customization Requests

**ARIGO®**  
P O W E R

Model	LV C1K	LV C1KS	LV C2K	LV C2KS	LV C3K	LV C3KS
Capacity	1KVA/900W		2KVA/1.8KW		3KVA/2.7KW	
Phase	Single phase input single phase output					
AC INPUT						
Wiring	1 phase 3 wires (L/N+PE)					
Rated Voltage	110/115/120/127VAC					
Voltage Range	Line-Neutral: 55~145VAC					
Frequency Range	40Hz~70Hz					
Input Power Factor	≥0.99					
AC OUTPUT						
Wiring	1 phase (L/N+PE)					
Output Voltage	110/115/120/127VAC					
Voltage Regulation	±2%					
Output Frequency	50/60±4Hz(Sync mode) ; 50/60Hz±0.1%(Free run)					
Waveform	Pure sine wave					
Distortion(THDV%)	<2%(Linear load); <7%(Non-Linear load)					
Overload Capability	100%~105% continuous; 60Sec.@105%~130% rated load; 10Sec.@130%~150% rated load; 0.3Sec.@>150% rated load					
EFFICIENCY						
Line Mode	88%		89%		90%	
Battery Mode	86%		87%		88%	
BATTERY & CHARGER						
Rated Battery Voltage	24VDC Internal	36VDC External	48VDC Internal	72VDC External	72VDC Internal	72VDC External
Battery Capacity	12V/7AHx2pcs	External battery	12V/7AHx4pcs	External battery	12V/7AHx6pcs	External battery
Backup Time	>6mins @ half load	depends	>6mins @ half load	depends	>6mins @ half load	depends
Charging Current	Standard model with internal battery:1A; Long back up time model: 4A					
Optional Configuration to Order	1. External battery socket for standard model 2. Battery capacity 7AH/9AH 3. Internal battery quantity(2/4/6pcs) or (3/6/6pcs)					
HMI						
LCD Display	Input mains voltage, frequency, load level, operation mode, health status					
Standards Communication Interface	(1) RS232 port					
Optional Extension Card	(2) EPO/ROO port (3) Intelligent slot (4)USB port (5) NMC card: Support remote monitor the UPS via smart phone APP, web page,PC monitor software , support server/NAS shutdown (6) CMC MODBUS card (7) AS400 Relay card					
ENVIRONMENT						
Temperature Range	-10~50℃					
Relative Humidity	0-98% (Non-condensing)					
Acoustics Noise	<55dB @ 1 meters					
PHYSICAL						
Dimension WxDxH(mm)	145x325x220		190x378x318		190x378x318	
N.W(kg)	8.4	4.7	16.2	10.5	21.2	12

Product specifications are subject to change without prior notice.

# TOWER 220V 1~3KVA

Online UPS 1:1phase PF: 0.9



## Features

- High frequency on-line double conversion
- DSP (Digital signal processors) control
- UPS start up without battery
- Wide input voltage range 90V~300V
- Wide input frequency range 40~70Hz
- Generator compatible
- Cold start
- Remote On Off (ROO) function (optional)
- Economic operation mode (ECO)
- 50Hz / 60Hz Frequency auto sensing
- Frequency converter mode: 50Hz input / 60Hz output or 60Hz input / 50Hz output.
- Active input power factor correction, input power factor > 0.99
- Laser printer and ultrasound system load acceptable (customized)
- Communications: RS232 (standard), USB / MODBUS/ RS485 / SNMP / AS400 cards (optional)
- Reliable design, made with strong glass fiber base (FR4) double side PCB, well designed ventilation and conformal coating

## Rear Panel



1KVA

2~3KVA

- 1.EPO /ROO (Remote On Off) port
- 2.RS232 port
- 3.USB port
- 4.Intelligent slot for SNMP card, dry contact card etc.
- 5.External battery connector
- 6.Input Breaker
- 7.AC input
- 8.AC output
- 9.Output terminal block

## Technical Specifications : Accept Customization Requests



Model	HV C1K	HV C1KS	HV C2K	HV C2KS	HV C3K	HV C3KS
Capacity	1KVA/900W		2KVA/1.8KW		3KVA/2.7KW	
AC INPUT						
Wiring	L/N+PE					
Rated Voltage	208/220/230/240VAC					
Voltage Range	90~300VAC					
Frequency Range	40Hz~70Hz					
Input Power Factor	≥0.99					
AC OUTPUT						
Wiring	L/N+PE					
Output Voltage	208/220/230/240VAC					
Voltage Regulation	±1%					
Output Frequency	50/60±4Hz(Sync mode) ; 50/60Hz±0.1%(Free run)					
Waveform	Pure sine wave					
Distortion(THDV%)	<2%(Linear load); <7%(Non-Linear load)					
Overload Capability	1Min@105%~125% rated load; 30Sec.@125%~150% rated load; 0.5Sec.@>150% rated load					
EFFICIENCY						
Line Mode	88%		89%		90%	
Battery Mode	86%		87%		88%	
BATTERY & CHARGER						
Rated Battery Voltage	24VDC Internal	36VDC External	48VDC Internal	72VDC External	72VDC Internal	72VDC External
Battery Capacity	7AHx2pcs	External battery	7AHx4pcs	External battery	7AHx6pcs	External battery
Backup Time	>6mins @ half load		depends	>6mins @ half load	depends	>6mins @ half load
Charging Current	Standard model with internal battery: 1A ; Long backup time model: 4A					
Optional Configuration to Order	1. External battery connector for standards model 2. Battery capacity 7AH/9AH 3. Battery quantity(2/4/6pcs) or (3/6/6pcs)					
HMI						
LCD Display	Input mains voltage, frequency, load level, operation mode, health status					
Standards Communication Interface	(1) RS232 port					
Optional Extension Card	(2) EPO/ROO port (3) Intelligent slot (4)USB port (5) NetWork card: Support SNMP/TCP/IP for remote monitoring the UPS via smart phone APP, web page, PC monitor software , support server/NAS shutdown					
	(6) CMC MODBUS card (7) AS400 Relay card					
ENVIRONMENT						
Temperature Range	-10~50°C					
Relative Humidity	0-98% (Non-condensing)					
Acoustics Noise	<55dB @ 1 meters					
PHYSICAL						
Dimension WxDxH(mm)	145x325x220		190x378x318			
Weight(kg)	8.4	4.7	16.2	10.5	21.2	12

Product specifications are subject to change without prior notice.