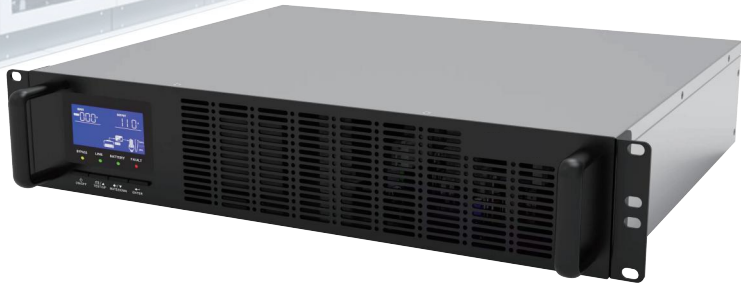


RACK 110V 1~3KVA

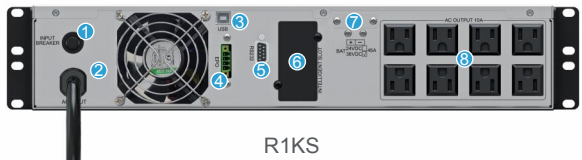
Online Rack Mount UPS 1:1phase PF: 0.9
110V In/ 110V Out



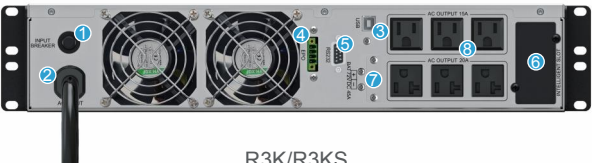
Features

- High frequency on-line double conversion
- DSP (Digital signal processors) control
- Active input power factor correction, input power factor > 0.99
- 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.
- 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



R1KS



R3K/R3KS

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

Technical Specifications : Accept Customization Requests



Model	LV R1K	LV R1KS	LV R2K	LV R2KS	LV R3K	LV R3KS
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 depends	12V/7AHx4pcs	External battery	12V/7AHx6pcs	External battery
Backup Time	>6mins @ half load		>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 standards model 2. Battery capacity 7AH / 9AH (optional)					
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 card					
	(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°C					
Relative Humidity	0-98% (Non-condensing)					
Acoustics Noise	<55dB @ 1 meters					
PHYSICAL						
Dimension WxDxH(mm)	440x400x88(2U)	440x400x88(2U)	440x400x88(2U)	440x400x88(2U)	440x650x88(2U)	440x400x88(2U)
N.W(kg)	11.9	6.9	16.5	7.3	23.8	8.7

Product specifications are subject to change without prior notice.

RACK 220V 1~3KVA

Online Rack Mount 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



R1K



R3K/R3KS

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

Technical Specifications : Accept Customization Requests



Model	HV R1K	HV R1KS	HV R2K	HV R2KS	HV R3K	HV R3KS
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	12V/7AHx2pcs	External battery	12/7AHx4pcs	External battery	12V/7AHx6pcs	External battery
Backup Time	>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 socket for standard 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)	440x400x88(2U)	440x400x88(2U)	440x400x88(2U)	440x400x88(2U)	440x650x88(2U)	440x400x88(2U)
N.W(kg)	11.9	6.9	16.5	7.3	23.8	8.7

Product specifications are subject to change without prior notice.

Lithium 110V 1~3KVA

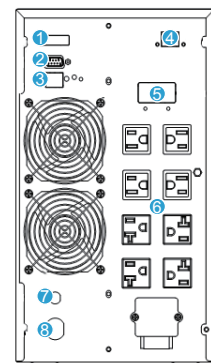
Lithium UPS 1:1phase PF: 0.9
110V In / 110V Out



Features

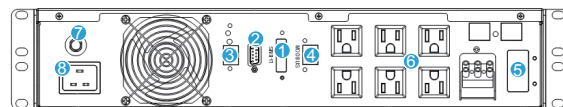
- High frequency on-line double conversion
- DSP (Digital signal processors) control
- Active input power factor correction 0.99
- Long battery lifecycle, more than 2000
- Generator compatible
- Cold start & Economic operation mode (ECO)
- Wide input voltage range 60~145V and frequency range 40~70Hz
- 50Hz / 60Hz Frequency auto sensing
- Frequency converter mode: 50Hz input / 60Hz output or 60Hz input / 50Hz output.
- Li-ion battery provide up to 3x backup time, comparing with regular lead-acid UPS product
- Dry contact interface for BMS dominant control
- Incorporated MODBUS (RS485) interface with BMS
- Li-ion Battery Charger : Constant current , constant voltage, floating, turn-off 4 state charger for Li-ion battery, open to customize the logical behavior for customer- specified battery pack

Rear Panel



3KVA Tower

- 1.BMS dry contact
- 2.RS232 port
- 3.Lan port
- 4.MODBUS port
- 5.External battery connector
- 6.AC output
- 7.Input circuit breaker
- 8.AC input
(Customized rear panel according to order's request)



1KVA Rack

Technical Specifications : Accept Customization Requests



Tower Model	Li LV C1K	Li LV C1KS	Li LV C2K	Li LV C2KS	Li LV C3K	Li LV C3KS
Rack Model	Li LV R1K	Li LV R1KS	Li LV R2K	Li LV R2KS	Li LV R3K	Li LV R3KS
Capacity	1KVA/900W		2KVA/1.8KW		3KVA/2.7KW	
Phase	Single phase input single phase output					
AC INPUT						
Wiring	1 phase 3wires (L/N+PE)					
Rated Voltage	110/115/120/127VAC					
Voltage Range	Line-Neutral: 60~145VAC					
Frequency Range	40Hz~70Hz					
Input Power Factor	≥0.99					
AC OUTPUT						
Wiring	L/N+PE					
Output Voltage	110/115/120/127VAC					
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); <8%(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	48VDC (default for 15cell of LiFePO4)					
Battery Capacity	600WH	External battery	1000WH	External battery	1000WH	External battery
Backup Time	>40mins @ half load	depends	>30mins @ half load	depends	>20mins @ half load	depends
Charging Current	4A/8A					
Charging Voltage	52.8V(default for 15cell of LiFePO4) / Customized according to battery request					
Charger Behavior & Protection	CC. CV. floating. turn-off 4 states 3 over voltage protection loop, preserve interface for over temperature/over pressure switch off interface					
HMI						
LED Display	Mains / battery status, load level, battery level, operation mode					
LCD Display with LED Indicator	Input mains voltage, frequency, load level, operation mode, health status					
Standards Communication Interface	(1) RS232 port (2) Network card: support SNMP,TCP/IP protocol , for remote monitor the UPS via smart phone APP, web page, PC monitor software, support server / NAS shutdown (3) Dry contact interface for BMS control (4) MODBUS For BMS interface					
ENVIRONMENT						
Temperature Range	-10~50°C					
Relative Humidity	0-98% (Non-condensing)					
Acoustics Noise	<55dB @ 1 meters					
PHYSICAL						
Tower Dimension WxDxH (mm)	C1K: 190x378x318		C2K: 190x427x318		C3K: 190x427x318	
	C1KS: 145x397x220		C2KS: 145x397x220		C3KS: 190x378x318	
Rack Dimension WxDxH(mm)	R1K: 440x400x88 (2U)		R2K: 440x500x88 (2U)		R3K: 440x650x88 (2U)	
	R1KS: 440x400x88 (2U)		R2KS: 440x400x88 (2U)		R3KS: 440x400x88 (2U)	
Tower N.W (kg)	10.8	5	16.5	5.5	18	7.9
Rack N.W (kg)	12.5	6.5	21.6	6.8	24.5	8.2

Product specifications are subject to change without prior notice.

Lithium 220V 1~3KVA

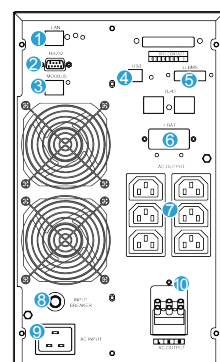
Lithium UPS 1:1phase PF: 0.9



Features

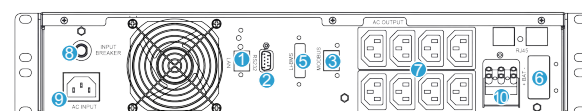
- High frequency on-line double conversion
- DSP (Digital signal processors) control
- Active input power factor correction 0.99
- Long battery lifecycle, more than 2000
- Generator compatible
- Cold start & Economic operation mode (ECO)
- Wide input voltage range 90V~300V and frequency range 40~70Hz
- 50Hz / 60Hz Frequency auto sensing
- Frequency converter mode: 50Hz input / 60Hz output or 60Hz input / 50Hz output.
- Li-ion battery provide up to 3x backup time, comparing with regular Lead-acid UPS product
- Dry contact interface for BMS dominant control
- Incorporated MODBUS (RS485) interface with BMS
- Li-ion Battery Charger : Constant current , constant voltage, floating, turn-off 4 state charger for Li-ion battery, open to customize the logical behavior for customer- specified battery pack

Rear Panel



3KVA Tower

1. Lan port
 2. RS232 port
 3. MODBUS port
 4. USB port
 5. BMS dry contact
 6. External battery connector
 7. AC output
 8. Input circuit breaker
 9. AC input
 10. Output terminal block
- (Customized rear panel according to order's request)



1~2KVA Rack

Technical Specifications : Accept Customization Requests

ARIGO®
P O W E R

Tower Model	Li HV C1K	Li HV C1KS	Li HV C2K	Li HV C2KS	Li HV C3K	Li HV C3KS
Rack Model	Li HV R1K	Li HV R1KS	Li HV R2K	Li HV R2KS	Li HV R3K	Li HV R3KS
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	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	48VDC (default for 15cell of LiFePO4)					
Battery Capacity	600WH	External battery	1000WH	External battery	1000WH	External battery
Backup Time	>40mins @ half load	depends	>30mins @ half load	depends	>20mins @ half load	depends
Charging Current	4A/8A					
Charging Voltage	52.8V(default for 15cell of LiFePO4) / Customized according to battery request					
Charger Behavior & Protection	CC. CV. floating. turn-off 4 states 3 over voltage protection loop, preserve interface for over temperature/over pressure switch off interface					
HMI						
LED Display	Mains / battery status, load level, battery level, operation mode					
LCD Display with LED Indicator	Input mains voltage, frequency, load level, operation mode, health status					
Standards Communication Interface	(1) RS232 port (2) Network card: support SNMP,TCP/IP protocol , for remote monitor the UPS via smart phone APP, web page, PC monitor software, support server / NAS shutdown (3) Dry contact interface for BMS control (4) MODBUS For BMS interface					
ENVIRONMENT						
Temperature Range	-10~50°C					
Relative Humidity	0-98% (Non-condensing)					
Acoustics Noise	<55dB @ 1 meters					
PHYSICAL						
Tower Dimension WxDxH (mm)	C1K: 190x378x318		C2K: 190x427x318		C3K: 190x427x318	
	C1KS: 145x397x220		C2KS: 145x397x220		C3KS: 190x378x318	
Rack Dimension WxDxH(mm)	R1K: 440x400x88 (2U)		R2K: 440x500x88 (2U)		R3K: 440x650x88 (2U)	
	R1KS: 440x400x88 (2U)		R2KS: 440x400x88 (2U)		R3KS: 440x400x88 (2U)	
Tower N.W (kg)	10.8	5	16.5	5.5	18	7.9
Rack N.W (kg)	12.5	6.5	21.6	6.8	24.5	8.2

Product specifications are subject to change without prior notice.