

## True Double Conversion On-line UPS

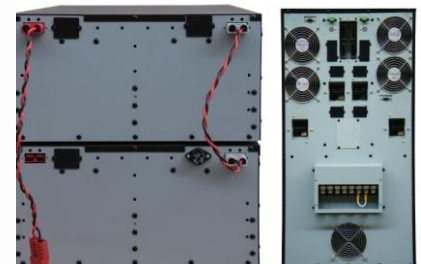
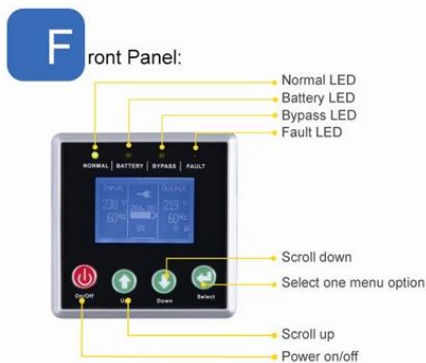
### SUI-RT Series 6KVA~20KVA (Rack / Tower Convertible)

- High Performance True Double Conversion On-Line UPS
- **Rack / Tower Convertible Cabinet-12U for 6/10KVA, 19U for 20KVA**
- N+X parallel redundancy available for 6K and up models
- Microprocessor Control Guarantees High Reliability
- RS-232 Communication Port and Built-in SNMP Slot
- Extended Back-up Time with External Battery Bank
- Unity Input Power Factor and Wide Input Range
- Low Heat Dissipation in Long Time Operation
- High Efficiency Design to save Electricity
- Built-in Isolation Transformer (Option)
- Emergency Power Off Function (EPO)
- Automatic Self-diagnostic Function
- Input THDi < 5%; Output THD < 2%
- High Efficiency Mode (ECO Mode)
- Thermo-controlled Fan Speed
- **Maintenance Bypass Switch**
- DC (Battery) Start Function
- Two-step Charging System
- **Output Power Factor 0.9**
- DSP Technology
- Modular Design



#### Applications :

- ATM / ADM
- Computers
- Computer Center
- Emergency Lighting
- Hospitals / Medical Instrument
- Lan File Server
- Network & Data Center
- OA Facilities
- Security Monitoring PC or Server
- Telecommunication Equipments
- Any Equipments which requires High Stability Power Protection



# Technical Specification

Model	SUI-1106RT-12U		SUI-1110RT-12U		SUI-1120RT-19U	
Capacity	6 KVA / 5.4 KW		10 KVA / 9 KW		20 KVA / 18 KW	
<b>Input</b>						
Phase	1 Phase 2 Wires + Ground					
Voltage	208 / 220 / 230 / 240Vac					
Voltage Range	110Vac ~ 276Vac (Depend on the load)					
Frequency (Battery Mode)	50 Hz or 60 Hz (Auto Sensing)					
THDi	<5% with Resistor Full Load					
Power Factor	> 0.99 at Resistor Full Load					
<b>Output</b>						
Phase	1 Phase 2 Wires + Ground or 1 Phase 3 Wires + Ground (with Isolation Transformer)					
Voltage	1Phase 2W+G: 208 / 220 / 230 / 240Vac; 1Phase 3W+G: 110 / 220 or 115 / 230 or 120 / 240Vac					
Voltage Regulation	±1% (±2% with Isolation Transformer)					
Frequency (Battery Mode)	50 Hz or 60 Hz ±0.05Hz					
Waveform	Pure Sinewave					
THD (Total Harmonic Distortion)	< 2% (Linear Load) or < 5% (Non-linear Load)					
Overload Capacity	105% ~125% for 2 Minutes; 125% ~150% for 30 Seconds; > 150% for 1 Second					
Crest Factor	3 : 1					
<b>Maintenance Bypass</b>	<b>Standard Feature</b>					
<b>Efficiency</b>						
To AC Mode	>92% at Full Load and Battery Full Charged					
To Battery Mode	>92% at Full Load and 12Vdc / Battery					
ECO Mode	>96% at Full Load and Battery Full Charged					
<b>Battery</b>						
Voltage	240VDC					
Type	12V / 7AH * 20pcs	Extendable	12V / 9AH * 20pcs	Extendable	12V / 9AH * 20pcs*2sets	Extendable
Back-up Time (Full/Half Load)	8mins / 24mins	Depend on Capacity of External Battery	5mins / 13mins	Depend on Capacity of External Battery	5mins / 13mins	Depend on Capacity of External Battery
Charging Current (Max)	1.2A (Extendable)					
Recharge Time	7Hrs to 90%	Depend on Capacity of External Battery	8Hrs to 90%	Depend on Capacity of External Battery	8Hrs to 90%	Depend on Capacity of External Battery
<b>Transfer time</b>						
Line ↔ Battery	0ms					
Inverter ↔ Bypass	0ms					
ECO Mode ↔ Inverter	< 10ms					
<b>Display</b>						
LED	Normal (Green), Bypass (Yellow), Fault (Red), Battery (Yellow)					
LCD	Load Level / Battery Voltage / Battery Mode / AC Mode / Bypass Mode Information					
<b>Audible Alarm</b>						
Battery Mode	Sounding Every 4 Seconds					
Low Battery	Sounding Every Second					
Overload	Sounding Twice Every Second					
UPS Fault	Continuously Sounding					
<b>Communications</b>						
Interface (Port)	Dry Contact (Option) & USB					
Intelligent Slot	Slot for SNMP or AS-400 (Option)					
EPO	Emergency Power Off					
<b>Environment</b>						
Temperature / Humidity	0~40°C (32°F ~ 104°F) / 0~95% Non-condensing					
Acoustic Noise	< 50dB at 1M					
<b>Safety Standard</b>						
LVD	EN62041-1 : 2008					
EMC	EN62041-2 : 2006					
<b>Physical</b>						
Dimension (W*H*D / mm)	440*528*630 (12U)		440*528*630 (12U)		440*528*836 (19U)	
Net Weight	100kgs	Depend on Capacity of External Battery	115kgs	Depend on Capacity of External Battery	200kgs	Depend on Capacity of External Battery
Design, Manufacture, Service	ISO 9001-2008					

- All specifications are subject to change without notice.