

GlobalGROUP  
ISO 9001:2008



039

# Online UPS

## SI860 Series

### 10KVA~80KVA(3/1)



#### Ideal applications

Centralized server center, network control center, Information center

#### Features:

##### 100% digital technology

Self-diagnosis, circuit control, parameters setting and program management are based on 3 high speed micro-controllers.

##### Applies high-tech components

DDC (Direct Digital Control), DSP (Digital Signal Processing), ASIC (Application Specific IC) and CPU are used in this system.

##### Super performance from IGBT

High speed on/off, operating on high voltage and large current, simple gate control circuits (voltage-controlled), high efficiency, and high stability.

##### Fully meets sharp load fluctuation from 0 to 100%

Completely meet the requirements of sharp load fluctuation without transferring to bypass, and maintain the output within tolerance.

##### Large screen LCD display

Users can conveniently operate the UPS according to the instructions and easily get UPS operating status at any time via large screen LCD.

##### Perfect protections

Built-in over/low-voltage, over-current, overload, and short circuit protections ensure lowest failure rate.

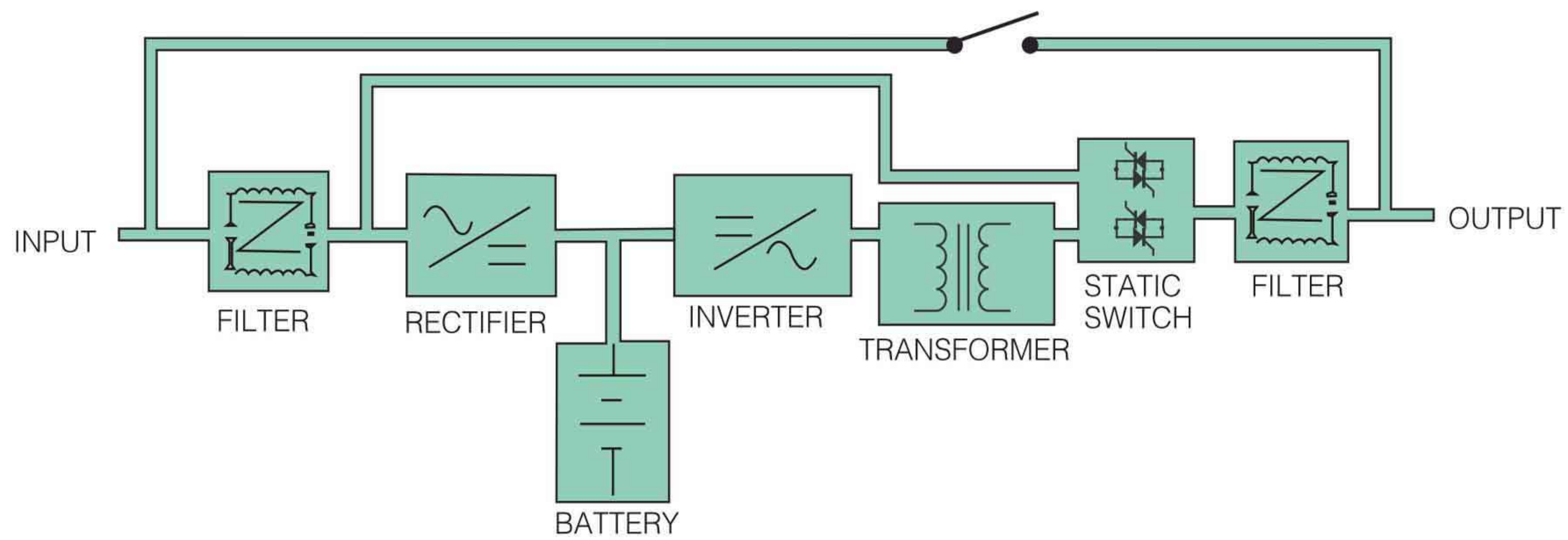
##### Low output voltage distortion

Owing to partial circulating current control, inverter could rapidly control impulse current from load change and surge. UPS can quickly respond to load change via feedback control.

##### Intelligent battery management

UPS will automatically charge and discharge the battery in float charging or boost charging mode according to the cycle set by the internal software, and automatically maintain the battery without manual operation, which prolongs the battery life.





## Specifications

Model	SI8610	SI8615	SI8620	SI8630	SI8640	SI8650	SI8660	SI8680
VA Rating	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	60KVA	80KVA
Operating Mode and Principle	True on-Line, Static Bypass(Uninterruptible Switch), Dual Conversion, Input & Output Galvanic Isolation							
<b>AC Input</b>								
Phase	3 Phases + N + G							
Voltage	380V ± 25%							
Frequency	50/60Hz ± 5%							
Soft Start	0~100% 5s							
<b>Bypass Input</b>								
Phase	Single Phase							
Voltage	220V ± 20%							
Frequency	50/60Hz ± 5%							
Transfer Time	0ms, Inverter to Bypass (Overload)							
<b>DC System</b>								
DC Voltage	360V (Rated Voltage) ; 315V (Shutdown Voltage)							
Current	25A	38A	51A	76A	101A	126A	152A	203A
Charge Current	1A~ 30A (Adjustable, Depend on battery )							
<b>AC Output</b>								
Phase	Single Phase							
Voltage	220V ± 1%(Stable Load); 220V ± 5%(Fluctuated Load)							
Frequency	50~60Hz ± 0.05 (Battery Mode)							
Power Factor	0.8							
Waveform	True Sine Wave							
Harmonic Distortion	<3%(Linear Load); <5%(Non-Linear Load)							
Dynamic	Instantaneously Changing of Load (0 to 100%), changing of Output Voltage < 5%							
Time	Transient Recovery Time < 10ms							
Overload	125% for 1Min; 150% for 1s							
Cooling	Forced Wind							
<b>System</b>								
Efficiency	91%	91%	92%	92%	93%	93%	93%	95%
Communication	RS232, SNMP (Optional)							
Temperature	0~40°C (Operating)							
Humidity	30~90%							
Noise(db)	48~60		53~65			55~65		
Dimension(mm)WxDxH	350x665x920	395x665x940		435x770x1080		710x720x1450		710x855x1500
Net weight(Kg)	133	171	188	275	300	385	445	498
Packing Dimension	460x770x1130	500x770x1130		510x850x1250		780x790x1600		780x940x1660
Gross weight)Kg(	156	196	212	300	325	430	490	557

◆ All specifications subject to change without notice  
 ◆ Custom-made specifications are acceptable

