



Customization Oriented
High Stability
High Reliability

Typical applications:

- Industrial application
- Semiconductor plant
- Computer room
- Data center
- Precision instrument
- Intelligent equipment



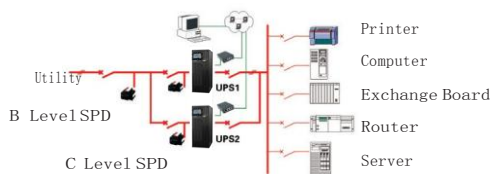
STAR T5100Series 10-80kVA



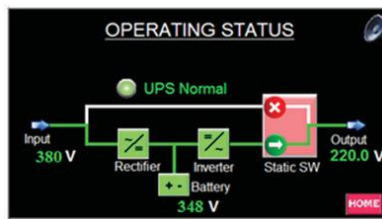


High-end intelligent power protection solution

STAR T5100 series UPS is AEC's historic UPS, This UPS is double conversion online UPS, adopting advanced device and technology such as IGBT power device, DSP (Digital Signal Processor), SPWM inverter, MMBM intelligent battery management technology and power management software. It can be widely applied to different industries by possessing high cost-effective advantages. With optional dual mains input and a built-in maintenance bypass switch, the system's stability is highly increased. STAR T5100 series UPS satisfies your demands of industrial environment. In addition, customized products are available for special requirement



Parallel System Application



Fancy touch screen

Features and Advantages

High reliability

- Standard output isolated transformer
- No-master-slave N+1 parallel technology
(Maximum 6 pcs in parallel in real application)
- International electronic and electrical components
- PCB boards feature with anti-corrosion paint coating

High performance

- $\pm 25\%$ input Voltage
- DC cold start function
- DSP and CPU digital control
- Internal manual maintenance bypass

Maximum protection

- Overload protection
- Reverse polarity protection
- High input voltage protection
- High/Low output voltage protection
- Short-circuit protection
- Over temperature protection
- Battery overcharge protection

Smart management

- Intelligent RS232/RS485
- Wind speed management
- Multi-functional settings to view parameters
- Battery management
- DB9 dry contact communication port

Added-value service (options)

- Customizable design
- Remote control panel
- IP grade upgrade
- Input/Bypass isolation transformer
- SNMP adapter & Emergent alarm via SMS/Email
- Battery monitor system-MMBM
- Fancy touch screen
- ECO mode available



Customized Solutions

We offer expert know-how and premium quality, highly reliable products widely used in data centers, telecom systems, precision instruments, financial systems, special application condition of communication systems and other industries. Our expertise in custom-designed systems will assist you in the different environment and different phases of your project.

Intelligent battery monitors system – MMBM-3

- Real time monitoring parameters
- Smart diagnosis status
- Real time abnormal alarm
- Record and save events logs

Flexible network management

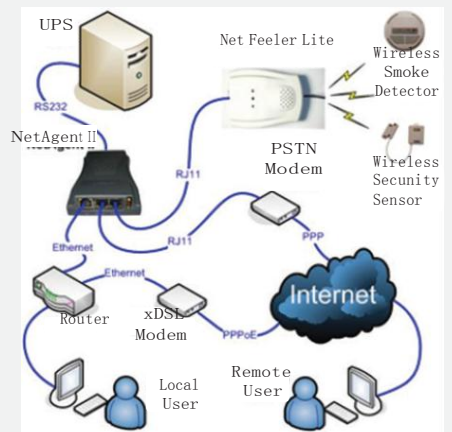
- Optional SNMP adapter
- Emergent alarm via SMS/Email
- Modbus for remote management

Customized design

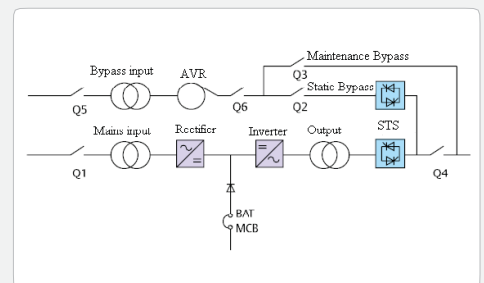
- External bypass cabinet
- Input/Bypass isolation transformer
- Active/Passive filter
- Lightning protection box
- Energy reverse absorber for industrial applications (feedback protection)
- The integration of dehumidifier (Suitable for humid environment)
- Sound and light alarm device



Battery cabinet and monitor system



Environment Monitoring Solution



Customized Design Structure



High-end intelligent power protection solution

Technical Specifications

MODEL	STAR T5110	STAR T5120	STAR T5130	STAR T5140	STAR T5160	STAR T5180	
INPUT	Voltage (Vac)	380 ± 25%					
	Rated Frequency (Hz)	50/60 ± 5% (10% optional)					
	Frequency Range (Hz)	50 / 60 Hz ± 5%					
	Phase	3 φ 4W+PE					
OUTPUT	Capacity (KVA/KW)	10kVA/09KW	20kVA/18KW	30kVA/27KW	40kVA/36KW	60kVA/54KW	80kVA/72KW
	Power Factor	0.9 (Lag)					
	Phase	3 φ 4W+PE					
	Voltage (V)	380/400 ± 1% (Selectable)					
	Frequency (Hz)	50/60 ± 0.5% (battery mode)					
	Waveform	Pure sine wave THD < 3% (linear load)					
	Overload	105%~125% load for 10 mins, 125%~149% load for 1min, >150% load for 1 second		105%~125% load for 10 mins, 125%~149% load for 1min, >150% load for 20 seconds			
Transfer Time	0						
BATTERY	Voltage (Vdc)	348/360/384					
	BATT Type	External AGM/VRLA					
	Charger Current (A) Max	10A (default) -Adjustable					
	Maintenance Bypass Switch	Standard					
	Communication Interface	RS232/RS485 and dry contact MODBUS and SNMP adapter are optional)					
	Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status					
OTHER	Alarm	Low battery, abnormal AC input, overload, UPS failure					
	Protection	Low battery, overload, output over voltage, short-circuit, over temperature					
	Noise (dB)	<60		<65			
	IP Rating	IP 20					
	Working Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95%, No condensation						
Dimension (W×D×H) (mm)	400x800x1100			600X700X1500		700X800X1700	
Weight (Kg) Net /Gross	158/200	175/217	210/252	260/302	460/480	590/620	

◆ Specifications are subject to change without prior notice.



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