



Allis Electric Co., Ltd

## *Customization Oriented High Stability High Reliability*

### Typical applications:

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

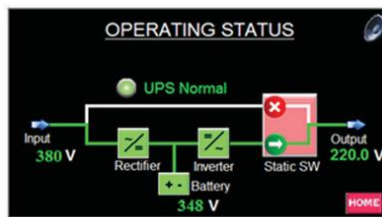
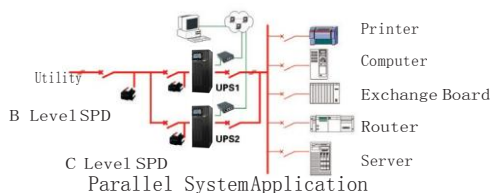


STAR T3100 Series 1-10kVA



# High-end intelligent power Protection solution

This series UPS is 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 T3100 series UPS satisfies your demands of industrial environment. In addition, customized products are available for special requirement.



Fancy touch screen

## Features and Advantages

### High reliability

- 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, IGBT based
- Internal manual maintenance bypass

### Maximum protection

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

### Smart management

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

### Added-value service (options)

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

# High-end intelligent power Protection solution

## 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 batteries monitor system - MMBM-3

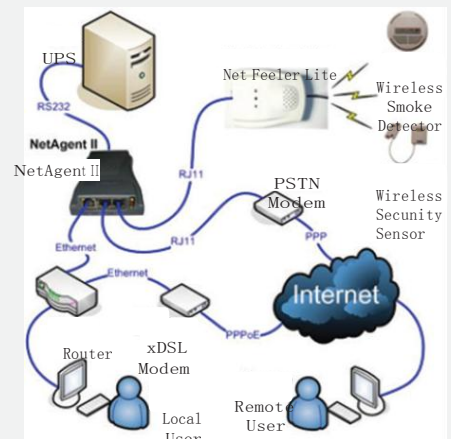
- Real time monitoring parameters
- Smart diagnosis status
- Real time abnormal alarm
- Record and save events logs



Battery cabinet and monitor system

### Flexible network management

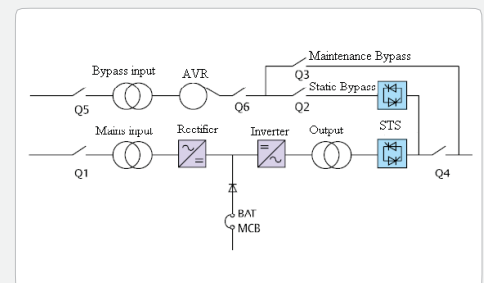
- Optional SNMP adapter
- Emergent alarm via SMS/Email
- Modbus for remote management



Environment Monitoring Solution

### Customized design

- 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



Customized Design Structure

# High-end intelligent power protection solution

## Technical Specifications

MODEL		STAR T3101	STAR T3102	STAR T3103	STAR T3106	STAR T3110	STAR T3102
I N P U T	Voltage (Vac)	110-176 Vac (linear derating between 50% and 100% load and ; 176-280 Vac (no derating); 280 ~ 300 Vac (derating 50%)					
	Rectifier Frequency (Hz)	50/60 ±5% (10% optional)					
	Power Factor	≥ 0.99					
	Phase	1P+NE					
O U T P U T	Capacity (KVA)	1kVA/0.9KW	2KVA/1.8KW	3kVA/2.7KW	6kVA/5.4KW	10kVA/09KW	15kVA/13.5KW
	Power Factor	0.9					
	Phase	1P+N					
	Voltage (V)	208 V / 220 V / 230 V / 240 Vac (settable via LCD)					
	Frequency (Hz)	50/60 ±0.5% (battery mode)					
	Waveform	Pure sine wave THD <3% (linear load)					
	Overload	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms					
Transfer Time	0						
B A T T E R Y	Voltage (Vdc)	36	96		192/240		
	BATT Type	3×12V7Ah External	8×12V7Ah External		16×12V7Ah/20×12V7Ah External		
	Charger Current (A) Max	1/6			10~20 setting		
O T H E R	Maintenance Bypass Switch	Optional			Standard		
	Communication Interface	RS232/RS485 and dry contact (CANBUS/MODBUS and SNMP adapter are optional)					
	Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status					
	Alarm	Low battery, abnormal AC input, overload, UPS failure					
	Protection	Low battery, overload, output over voltage, short-circuit, over temperature					
	Noise (dB)	≤ 50 dB (1m)					
	Working Temperature	0 ~ 40°C					
	Relative Humidity	0 ~ 95%, No condensation					
	IP Rating (Enclosure)	IP 20					
EMI		IEC/EN62040-2					
Dimension (W×D×H) (mm)		144x414x214	191x418x335	191x464x335	191x462x710	191x462x710	191x462x810
Short Back/Long Backup		144x336x214	191x418x335	191x418x335	191x462x350	191x462x350	191x462x450
Weight (Kg)	Standard/ Long backup	13kG/6Kg	25.7kG/10.50Kg	32kG/11Kg	58.7Kg/15.6Kg	67.2Kg/16.10Kg	77.2Kg/22.10Kg

◆ Specifications are subject to change without prior notice.



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