

# T5400 Online UPS



60/80K

20/30/40K

**AEC STAR T5400 Online UPS**

# T5400

## 20-80 KVA

## 3:3 Phase

### Application:

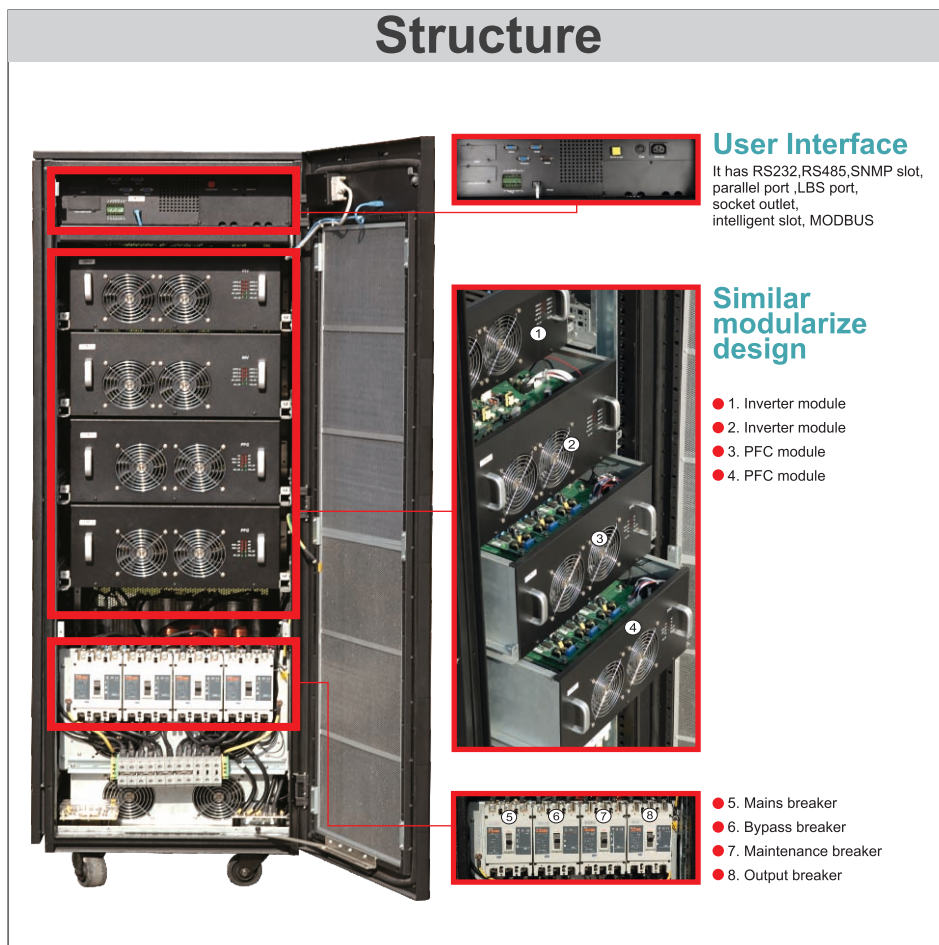
Small-medium internet data center, telecom and other mission-critical applications



### Features:

- 1.New generation of online double conversion digital UPS
- 2.Advanced IGBT rectifier to have low THDi and high PF
- 3.Wide input voltage range and frequency tolerance
- 4.Load bus synchronization (LBS) function to protect your investment
- 5.Flexibility of configurable battery quantity
- 6.Front accessible module design for ease of maintenance
- 7.Low audible noise: <56dB
- 8.Low output voltage THD
- 9.Parallel redundancy
- 10.ECO mode
- 11.Back-feed protection
- 12.Cold start
- 13.Provide LCD indication and audible alarm function
- 14.Surge, short circuit and overload protection
- 15.Intelligent battery management

### Structure



### LCD with rich function

Can revolve the LCD  
Can also disassemble the LCD , communicate with the system by Rs485 to realize remote control.

### Intelligent battery management

Can select the battery number (32/34/36/38/40 pcs)

### Large capability of history records storage

Can store history records.  
It has input, output, inverter, battery, state, paralle, command, setting, records and ver views.

### Redundancy parallel x 4

Parallel redundancy mode (system expansion)  
For higher capacity or higher reliability or both, the outputs of up to four UPS modules can programmed for directly pralleling while a built-in parallel controller in each UPS ensures automatic load sharing.

MODEL		ST5400020	ST5400030	ST5400040	ST5400060	ST5400080
Capacity		20KVA	30KVA	40KVA	60KVA	80KVA
		16KW	24KW	32KW	48KW	64KW
Input	maximum Input current	40A	63A	80A	125A	160A
	Rated voltage	380/400/415V				
	Voltage Range	Po≤69%:208±5 VAC~478±5VAC Po≥69%:304±5VAC~478±5VAC				
	Frequency range	40±0.5Hz~70±0.5Hz				
	Phase	3 phase 4 wire (3ph+N)				
	Power Factor	>0.99				
	THDi	Input THD≤1.0%,Linear Load:≤3.0% Input THD≤1.0%, non-linear Load:≤7.0%				
Output	Rated voltage	380/410/415V				
	Output current (Full load) 380V	24A	36A	48A	72A	96A
	Output current (Full load) 400V	23A	35A	46A	70A	94A
	Output current (Full load) 415V	22A	33A	44A	66A	88A
	Waveform	Sine wave				
	Crest Factor	≥3:1				
	Frequency	50Hz/60Hz ±0.5Hz (Battery mode) 50/60 (1±1/2/4/5%) Hz (On-Line)				
	THD	non-linear Load:≤4.5% 3 phase 4 wire (3ph+N)				
	Phase	Linear Load:≤2.0%				
	Rated Power factor	0.8				
	DC component	≤500mVDC				
	Voltage precision	Output balanceable: ± 1.0% Output non-balanceable: ± 3.0%				
	Overload Capability	110% for 60mins;125% for 10min;150% for 1min				
Bypass	Voltage Range	380V:208/226/304±5VAC~399/418/437/475±5VAC				
		400V:220/280/320±5VAC~420/440/460±5VAC				
		415V:228/290/332±5VAC~436/457/477±5VAC				
	Frequency Range	50(1±10%)Hz / 60 (1±10%) Hz				
	Phase	3phase 4 wire (3ph+N)				
Overload capability	125%-127% for 10min					
ECO	Voltage Range	380V:304±5VAC~399/418±5VAC 400V:320±5VAC~420/440±5VAC 415V:332±5VAC~436/457±5VAC				
	Frequency Range	50(1±10%)Hz / 60 (1±10%) Hz				
	Phase	3phase 4 wire (3ph+N)				
	Model	Sealed Lead Acid Battery(VRLA)				
Battery	Configurable battery	32/34/36/38/40cs				
	Discharge current (320Vdc)	54A	81A	106A	160A	213A
	Charge current (max)	15A			30A	
System	Efficiency (Line mode)	≥90%				
	Efficiency (Battery mode)	≥93%			≥94%	
	Efficiency (ECO)	≥97%				
	Wasting (Line mode)	≤3%				
	Wasting (ECO)	≤2%				
	Noise at 1m	<56dB				
	Running temperature	0~40℃				
	Relative Humidity	0%RH~95%RH(non-condensing)				
	Altitude	1000m output normal power				
	Display	LCD+LED				
	Breaker/fuse	40A	63A	80A	125A	160A
	Remote signaling	Dry contact				
	Communication	RS232/RS485/SNMP				
	Dimension(WxDxH)mm	600x730x1200			600x730x1800	
	Packing (W×D×H)mm	735x845x1390				
	Net Weight(kg)	186	192	203	280	289
	Gross Weight(kg)	226	232	243	328	357