

On-Line Tower & Rackmount UPS

FARPAK

EP

TLR A Series 6~10Kva 1:1phase



Features

- True double-conversion
- Rack-mounted and floor-standing tower can be convertible
- LCD panel can be rotated according to the type of deployment
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable quantity of battery for each group:16/18/20 pieces
- Adjustable charging current via LCD
- 3-stage charging design optimizes battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function(EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- PDU is convenient for connecting load
- Communications:RS-232,USB,SNMP card(Optional), Relay card (Optional)



Control Panel



Battery Cabinets
(Optional)



Rack-Tower convertible
The LCD panel can be rotated



Rear Panel

Technical Specifications

MODEL	TLR6	TLR10
Capacity (VA/Watts)	6K / 5.4K	10K / 9K
INPUT		
Nominal Voltage	220/230/240Vac(L+N+PE)	
Operating Voltage Range	120~276Vac	
Operating Frequency Range	50Hz: 45~55Hz, 60Hz: 54~66Hz	
Power Factor	≥0.99	
Bypass Voltage Range	Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)	
	230V: +20%(Optional +10%,+15%)	
	240V: +15%(Optional +10%)	
	Min. voltage: -45% (Optional -20%,-30%)	
ECO Range	Same as bypass	
Harmonic Distortion (THDi)	≤5%(100% non-linear load)	
OUTPUT		
Output Voltage	220/230/240Vac	
Power Factor	0.9	
Voltage Regulation	± 1%	
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(Optional)
	Bat. Mode	(50/60 ± 0.1)Hz
Crest Factor	3:1	
Harmonic Distortion (THDv)	≤2% with linear load	
	≤5% with non-linear load	
Waveform	Pure Sinewave	
Transfer Time	Utility to Battery : 0ms; Utility to Bypass: 0ms	
EFFICIENCY		
Efficiency	Up to 94%	
BATTERY		
Battery Voltage	Optional Voltage: ± 96/108/120Vdc	
Typical Recharge Time	6~8 hours (To 90% capacity)	
Charging Current	Maximum current 10A;	
PROTECTION		
Overload	Line Mode	Load ≤ 125%: last 5min; ≤ 150%: last 1min; > 150% 200ms turn to bypass mode
	Bypass Mode	40A(Input breaker) 60A(Input breaker)
Short Circuit	Hold Whole System	
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately	
Battery Low	Alarm and Switch off	
INDICATORS		
Audible & Visual alarms	Line Failure, Battery Low, Overload, System Fault	
Status LED & LCD Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault	
Reading On The LCD Display	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time	
MANAGEMENT		
Communication Interface	RS232,USB, Parallel Port, SNMPcard(Optional), Relay card (Optional)	
ENVIRONMENT		
Operating Temperature	0 ~ 40°C	
Storage Temperature	-25 ~ 55°C	
Humidity Range	0 ~ 95% (Non-condensing)	
Altitude	< 1500m	
Noise Level	<55dB	
PHYSICAL		
Dimension W × D × H (mm)	443 × 580 × 131 (3U)	
Net Weight (kg)	19	20
STANDARDS		
Noise Suppression	Complies with EN62040-2	
Safety	IEC/EN62040-1,IEC/EN60950-1	
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	
BATTERY PACK		
Model	E.XBR ± 120V	
Battery type& Max.quantity	7Ah × 20/9Ah × 20	
Dimensions W × D × H (mm)	443 × 720 × 131 (3U)	
Net Weight (kg)	65/75	

Specifications are subject to change without prior notice.