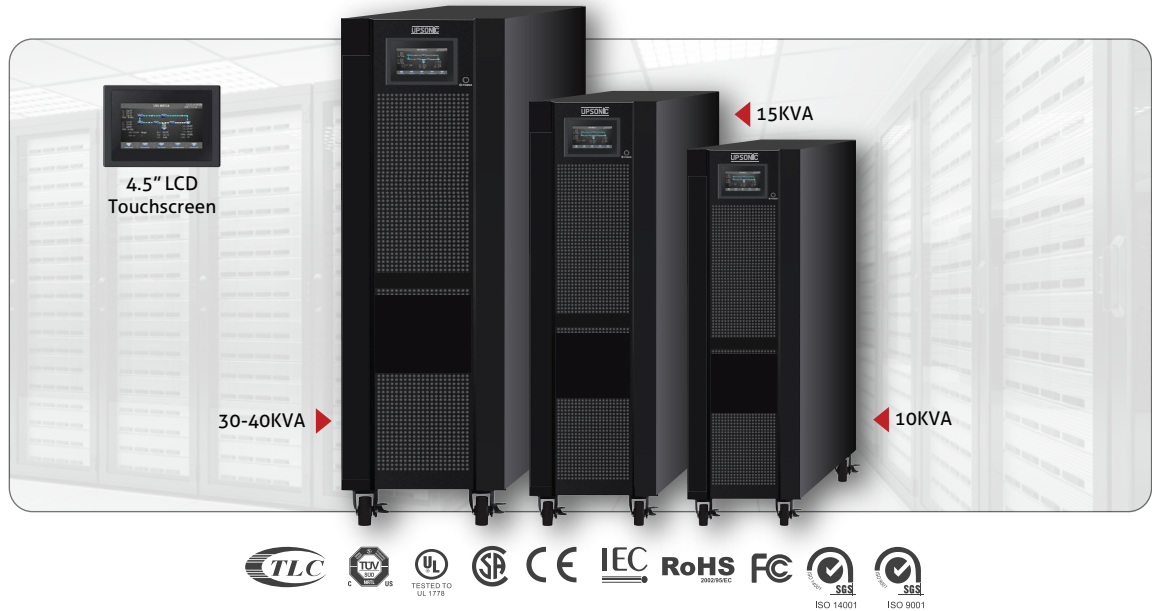


# UT+ SERIES



UT+ is applied to the same technology as UTX+ but without internal modularity capability. It can easily adapt to all kinds of diverse and complicated loads, such as the non-linear systems (IT systems), strongly inductive or capacitive loads, discharge lamps, and induction motors. To meet diverse applications, it is allowed to have alternative battery configuration based on different backup time requirement. This unit can be set up in parallel-redundant systems with up to 4 units.

## Features

- ▶ Online double conversion technology
- ▶ Output power factor 1.0
- ▶ DSP-controlled Technology
- ▶ Unity Input Power Factor with Low Input Current Distortion & High Efficiency
- ▶ High Efficiency 95% Online Mode
- ▶ Touch-screen LCD display for user's friendly operation
- ▶ Small Footprint (Compact Design)
- ▶ Invest as You Grow (Parallel Capability)
- ▶ Front Access Maintenance
- ▶ Easy for power expansion and backup time expansion.
- ▶ Emergency Power Off device
- ▶ Self-diagnostics
- ▶ Common Battery
- ▶ Monitoring System for Battery (Optional)  
Smart charging management system, Intelligently control the whole process of the charging and discharging.
- ▶ Variety of communication protocol supported
- ▶ Matching battery modular also available
- ▶ Superior MTBF (Mean Time Between Failure)
- ▶ Low MTTR (Meantime to Repair)
- ▶ Coldstart Function

## UT+ Online Three Phase Standalone UPS - 10~40KVA

Model	UT+ 10kVA	UT+ 15kVA	UT+ 20kVA	UT+ 30kVA	UT+ 40kVA	
<b>Capacity (kVA/kW)</b>	KVA Capacity	10KVA	15KVA	20KVA	30KVA	40KVA
	KW Capacity	10KW	15KW	20KW	30KW	40KW
<b>Input</b>	Phase	Three Phases - 4 Wires + Ground				
	Rated Voltage	208/120 VAC - 220/127 VAC or 480/277 VAC (3Ph+N+PE)				
	Voltage Range	±20%				
	Frequency Range	40Hz-70Hz				
	Power Factor	≥0.99				
	Current THDi	<1% (100% load)				
	Bypass Voltage Range	Max. voltage: +20% (optional +5%, +10%, +25%) Min. voltage: -45% (optional -20%, -30%) Frequency Range: ±10%				
	Generator Input	Support				
<b>Output</b>	Phase	3 Phases + Neutral + Ground				
	Rated Voltage	208/120 VAC - 220/127 VAC or 480/277 VAC (3Ph+N+PE)				
	Galvanic Isolation	Optional				
	Power Factor	1.0				
	Voltage Regulation	±1%				
	Frequency	50/60 Hz ±0.05%				
	Phase Displacement	120° ±1% (balanced load) ; 120° ±2% (imbalances load)				
	Dynamic Recovery Time	10 ms. at 98 % of the static value				
	Crest Factor	4:1				
	THD	<1% with linear load <2% with non linear load				
	Waveform	Pure Sinewave				
<b>Efficiency</b>	95% Online mode / 99% Eco Mode					
<b>Battery</b>	Battery Type	20/40/60x 12V / 7~12Ah		External Batteries Only		
	Voltage	±120Vdc				
	Backup-Time	10 min (100% load) with internal batteries		Upon Request		
	Charging Current	4A / 8A / 12A / 16A / 20A ±10% (Adjustable)				
	Recharge Time	4 hours to recover 90% of total capacity				
<b>Transfer Time</b>	Utility to Battery: 0ms; Utility to bypass: 0ms					
<b>Protection</b>	Overload	AC Mode	110%: constantly, <110%: last 30min, ≤125%: last 10min, ≤150%: last 1min, ≥150%: 200ms			
		Bypass Mode	110%: constantly, <110%: last 60min, ≤125%: last 30min, ≤150%: last 10min			
		Bat. Mode	Load ≤110%: last 30S, ≤125%: last 1S, ≤150%: last 200ms, ≥150% shut down UPS immediately.			
	Short Circuit	Hold Whole System				
	Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately				
	Battery Low	Alarm and Switch off				
	Self-diagnostics	Upon Power On and During Operation				
	EPO / REPO	Shut down UPS immediately				
Battery	Advanced Battery Management - (Monitoring System for Battery - Optional)					
Maintenance Bypass	Standard - Internal Breaker (No Break)					
<b>Alarms</b>	Audible & Visual	Line Failure, Battery Low, Overload, System Fault, Synoptic				
<b>Display</b>	Status LED & LCD	Line Mode, Backup -mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault				
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature				
<b>Communication Interface</b>	UPS Frame	RS232, RS485, Intelligent slot, Dry Contact, Modbus (Optional), BACNet (Optional)				
	SNMP	Includes SNMP Slot - Interfase (Optional)				
<b>Environment</b>	Operating Temperature	0°C~40°C				
	Storage Temperature	-25°C~+55°C				
	Humidity	0~95% non condensing				
	Altitude (Above Sea Level)	1500m (No Derate) - 3000m (max.)				
Noise Level @ 1 Meter	55 dBA	60 dBA	60 dBA	65 dBA	65 dBA	
<b>Industry Standard</b>	Safety Conformance	CE / FCC (15) B-A / ROHS / UL1778 / CSA C22.2 / IEEE 587 (ANSI C62.41) EN/IEC 62040-1-1 EN/IEC 62040-2 / IEC 62040-2 C3 / IEC 62040-3 (NEMA PE1:2003) / 3C/EN60950/EN50091-1 EN 61000 - 4.2.3.4.5.6.8.9.11 LEVEL III / IEC60664-1 LEVEL IV				
	Quality Certifications	ISO 9001:2008 / ISO 14001:2004				

### UT+ PHYSICAL

Model	Description	Dimension (WxHxD)	Net Weight (Kg)
UT+ 10K	10KVA Online 3/3 UPS With built in Batteries	250x830x667mm	95
UT+ 15K	15KVA Online 3/3 UPS With built in Batteries	300x1000x865mm	185
UT+ 20K	20KVA Online 3/3 UPS With built in Batteries	300x1000x865mm	230
UT+ 30K	30KVA Online 3/3 UPS No built in Batteries	450x1200x800mm	155
UT+ 40K	40KVA Online 3/3 UPS No built in Batteries	450x1200x800mm	165

\*Specifications subject to change without prior notice.