Technical Specification
UT3000 Series UPS

3 Phases Input/ Single Phase Output, 10K-80KVA UPS

FEATURES

- Power factor 0.9, energy saving
- Intelligent battery performance management & fault detect functions
- ECO mode, efficiency up to 98%
- Extensive self-protections: OVP, UVLO, OCP, OPP, short protection, OTP
- Robust load capacity: 110% load 60 minutes
- Stable @ 100% unbalanced load
- Universal input voltage and frequency range
- High reliability: modular design, redundant Aux power, and intelligent fan control
- Parallelable with accurate current sharing, up to 8 units
- Tower design, easy installation and maintenance
- Build-in bypass function
- Extensive options: Input isolated transformer, LBS units, SNMP, surge protection module, etc.

4S+R DESIGN CONCEPT

- Smart
- Stable
- Simple
- Saving
- Reliable

PRODUCT OVERVIEW

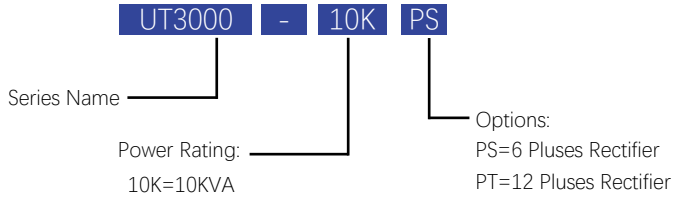
The UT3000 10K-80KVA series 3 phases input and single phase output UPS, provides efficient and cost-effective power system solutions. It adopts innovative design and technology which is optimized meet the unique demands of midsize critical power applications. Intelligent fault detect and warning function provides extensive information and multiple levels of user security. Parallel up to 8 units with accurate current sharing maximize the flexibility for customer power demands.

The UT3000 10K-80KVA series are designed to safety standards IEC60950 and IEC62040-1-1.

TYPICAL APPLICATION

Intended applications for data center, security and surveillance system, light and monitoring center of petro, chemical, industrial automation, transportation, , medical, IDC, telecom and finance, where requires safe and reliable uninterruptable power supply.

Model Numbering



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UT3000 Series UPS

3 Phases Input/ Single Phase Output, 10K-80KVA UPS

General Specification								
Model	Unit	10KP	15KP	20KP	30KP	40KP	60KP	80KP
Power Rating	kVA	10	15	20	30	40	60	80
	kW	9	13.5	18	27	36	54	72
Main Input								
Input Type		3 Phases + Ground						
Rated Voltage	VAC	380/400/415						
Voltage Range	VAC	285 to 498						
Rated Frequency	Hz	50/60						
Frequency Range	Hz	45 to 66						
Startup Delay	Second	5 to 600s, Configurable						
Rectifier Soft Start	Second	6 to 100s, Configurable						
Bypass								
Input Type		3 Phases + Neutral						
Rated Voltage	VAC	380/400/415						
Voltage Range	%	-40% to +20%, Configurable						
Frequency Range	%	50/60Hz ±10% (±2.5%, ±5%, ±10%, ±20%) Configurable						
Output								
Output Voltage	VAC	220/230/240						
Voltage Accuracy	%	±1						
Power Factor		0.9						
Voltage Transient	%	±5% (0% to 100% Load)						
THD	%	<1% (100% Linear Load), <4% (100% Non-Linear Load)						
Voltage Transient Response	mS	<20						
Frequency Syn.	Hz	±2Hz (±0.5Hz to ±3Hz) Configurable						
Overload Capacity	%	110% 60 Minutes, 125%/10 Minutes, 150% /1 Minutes						
Frequency Accuracy	%	±0.5						
Waveform		Pure Sine						
Efficiency								
Normal Mode	%	92						
ECO Mode	%	98						
Parallel								
N + X		Up to 8 Units						
Battery								
Battery Voltage	VDC	360 to 384 (2V/Cell)						

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Communication								
Interface		RS232, RS485 (Support Window/Linux/Mac)						
Accessories (Optional)		SNMP						
Display		LCD + LED						
Size								
Depth	mm	720					750	
Height	mm	1100					1400	
Width (6 Pulse Rectifier)	mm	560					800	
Width (12 Pulse Rectifier)	mm	/			970		1270	
Weight (Net)								
6 Pulse Rectifier	Kg	205	245	270	320	340	500	565
12 Pulse Rectifier	Kg	/			435	495	770	820
Environment								
Operating Temperature	℃	0 to 40						
Humidity	%	0 to 95						
Noise	dB	⩽ 55			⩽ 60		⩽ 65	
Regulation								
Safety		IEC60950, IEC62040-1-1						
EMC		IEC62040-2, IEC602040-3						

* All specifications are tested at 25℃ ambient temperature, norminal input voltage, rated output power conditions unless otherwise specified.
* We offer customized solutions and services, please contact us at sales@densitypower.com

This product is subject to the following operating requirements and the Life and Safety Critical Application Sales Policy:
Refer to: http://www.densitypower.com

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