

Technical Specification

UT6000 Series UPS

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

FEATURES

- Advanced DSP, powerful programming and communication functions
- Intelligent battery performance management
- ECO mode, efficiency up to 98%
- Extensive self-protections: OVP, UVLO, OCP, OPP, short protection, OTP
- Robust load capacity: 110% load continuous run
- 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

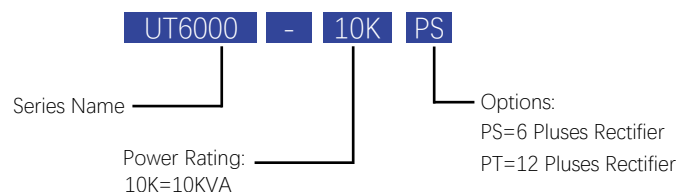
The UT6000 10K-80KVA series 3 phases input and 3 phase output UPS, provides efficient and cost-effective power system solutions. It adopts innovative design and technology which is optimized meet the unique demands of midsize critical power applications. An intuitive, customizable control panel provides 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 UT600 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, metallurgy, grid power, nuclear power, industrial automation, railway transportation, ship, military, medical, IDC, telecom, harbor and dock, where requires safe and reliable uninterruptable power supply.

Model Numbering



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	%	±10% (±2.5%, ±5%, ±10%, ±20%) Configurable						
Output								
Output Voltage	VAC	380/400/415						
Voltage Accuracy	%	±1% (100% Balanced Load) , ±2%, (100% Unbalanced Load)						
Power Factor		0.9						
Voltage Transient	%	±5% (0% to 100% Load)						
THD	%	<1% (100% Linear Load)						
Voltage Transient Response	mS	<5						
Frequency Syn.	Hz	±2Hz (±0.5Hz to ±5Hz) Configurable						
Overload Capacity	%	110% Continuous run, 125%/10 minutes, 150% /1Minutes						
Frequency Accuracy	%	±0.05						
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	N/A			970		1270	
Weight (Net)								
6 Pulse Rectifier	Kg	195	235	255	300	330	480	550
12 Pulse Rectifier	Kg	N/A			420	480	750	800
Environment								
Operating Temperature	°C	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°C ambient temperature, nominal 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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