Technical Specification
UT6000 Series UPS

3 Phases Input/ Output, 100K-600KVA UPS

FEATURES

- Input power factor up to 0.95, energy saving
- Intelligent battery performance management
- ECO mode, efficiency up to 98%
- Extensive self-protections: OVP, UVLO, OCP, OPP, short protection, OTP
- Robust load capacity: 105% load continuous run
- 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

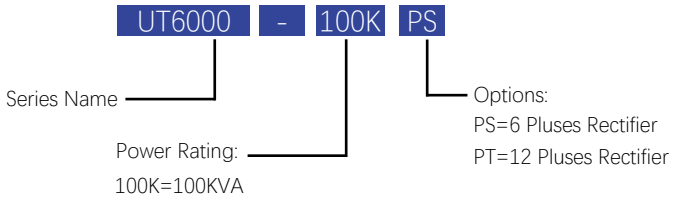
The UT6000 100K-600KVA series 3 phases input and 3 phase output UPS, provides efficient and cost-effective power system solutions. It adopts innovative design and technology which is optimized meet the unique demands of midsize critical power applications. An intuitive, customizable control panel provides 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 100K-600KVA 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



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General Specification										
Model	Unit	100KP	120KP	160KP	200KP	250KP	300KP	400KP	500KP	600KP
Power Rating	kVA	100	120	160	200	250	300	400	500	600
	kW	90	108	144	180	225	270	3600	450	540
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), <3% (100% Non-Linear Load)								
Voltage Transient Response	mS	<5								
Frequency Syn.	Hz	±2Hz (±0.5Hz to ±5Hz) Configurable								
Overload Capacity	%	105% Continuous run, 110%/1 Hour, 150% /1Minute								
Frequency Accuracy	%	±0.05								
Waveform		Pure Sine								
Efficiency										
Normal Mode	%	94								
ECO Mode	%	98								
Parallel										
N + X		Up to 8 Units								
Battery										
Battery Voltage	VDC	360 to 408 (2V/Cell)							456 to 504	

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	kW	90	108	144	180	225	270	360	450	540
Communication										
Interface		RS232, RS485 (Support Window/Linux/Mac)								
Accessories (Optional)		SNMP								
Display		LCD + LED								
Size										
Depth	mm	855								900
Height	mm	1900								
Width (6 Pulse Rectifier)	mm	890		1245		1640		2265	/	
Width (12 Pulse Rectifier)	mm	1415		1770		2265			2615	
Weight (Net)										
6 Pulse Rectifier	Kg	960		1075		1630		2105	/	
12 Pulse Rectifier	Kg	1390		1685		2290		2500	2850	3130
Environment										
Operating Temperature	℃	0 to 40								
Humidity	%	0 to 95								
Noise	dB	⩽ 67							⩽ 71	⩽ 73
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

Density Power Group.
Queens, New York City, New York, U.S.A