

FEATURES

- IP30 protection grade, for ruggedized applications & harsh environment
- IEC60664-1 class D surge protection
- Low frequency topology, high reliability & stability
- 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
- 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

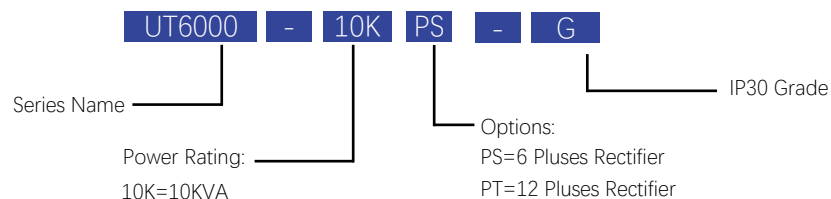
The UT6000-G 10K-80KVA series 3 phases input and 3 phase output, low frequency UPS, IP30 or plus protection grade designed for ruggedized applications involving harsh environments. UT6000-G series adopts full digital control technology, provides reliable, efficient, energy saving and cost-effective power system solutions. 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 UT6000-G 10K-80KVA series are designed to safety standards IEC60950 and IEC62040-1-1.

TYPICAL APPLICATION

Intended applications for ruggedized application involving harsh environments, such as petro, chemical, metallurgy, grid power, nuclear power, industrial automation, railway transportation, ship, military and aviation industries.

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	%	50/60Hz $\pm 10\%$ ($\pm 2.5\%$, $\pm 5\%$, $\pm 10\%$, $\pm 20\%$) Configurable						
Output								
Output Voltage	VAC	380/400/415						
Voltage Accuracy	%	$\pm 1\%$ (100% Balanced Load) , $\pm 2\%$, (100% Unbalanced Load)						
Power Factor		0.9						
Voltage Transient	%	$\pm 5\%$ (0% to 100% Load)						
THD	%	<1% (100% Linear Load)						
Voltage Transient Response	mS	<5						
Frequency Syn.	Hz	$\pm 2\text{Hz}$ ($\pm 0.5\text{Hz}$ to $\pm 3\text{Hz}$) Configurable						
Overload Capacity	%	110% Continuous run, 125%/10 Minutes, 150% /1 Minute						
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	800							
Height	mm	1800							
Width (6 Pulse Rectifier)	mm	600				1000			
Width (12 Pulse Rectifier)	mm	600				1000			
Weight (Net)									
6 Pulse Rectifier	Kg	255	295	315	360	430	580	650	
12 Pulse Rectifier	Kg	305	350	420	520	580	850	900	
Environment									
Operating Temperature	°C	0 to 40							
Humidity	%	0 to 95							
Ingress Protection		IP30 (Over than IP30 grade option is available)							
Noise	dB	≤ 56			≤ 60		≤ 62	≤ 64	
Regulation									
Safety		IEC60950, IEC62040-1-1							
EMC		IEC62040-2, IEC602040-3							
Surge Protection		IEC60664-1, 1.2/50uS 8/20uS, 6KV/3KA, Class D							

* 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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