

Model	TEC9000-G		TEC9000-GL	
Code	U9010IETHBGK		U9010LETHBGK	
Capacity (VA / W)	10000VA/9000W		15000VA/13500W	
INPUT				
Phase	3ph + N			
Input Voltage Range	3 x 400Vac			
Input Voltage Range	190 - 520 (3 Phase) at 50% load 305 - 478 (3 Phase) at 100% load			
Frequency Range	46~54Hz or 56~64Hz			
Power Factor	≥0.99, at 100% load			
OUTPUT				
Phase	3ph + N			
Output Voltage	3 x 400Vac			
AC Voltage Regulation (Batt. Mode)	±1%			
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz			
Frequency Range (Batt. Mode)	50 ±0.1Hz or 60 ±0.1Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 5% THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sinewave			
EFFICIENCY				
AC Mode	90.5%		91.5%	
ECO Mode	96%			
Battery Mode	87%		88%	
BATTERY				
Numbers	20 pcs	Depending on the capacity of external batteries	20 pcs 2 x strings	Depending on the capacity of external batteries
Battery Type	12V / 9Ah		12V / 9Ah	
Typical Recharge Time (hours)	9 hours		9 hours	
Charging Current (max)	1.0 A	4.0 A	2.0 A	4.0 A
Charging Voltage	273 Vdc +1%			
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM				
Battery Mode	Sounding every 4 seconds			
Low Battery	Sounding every seconds			
Overload	Sounding twice every seconds			
Fault	Continuously sounding			
PHYSICAL				
Dimension (DxWxH)(mm)	815 x 250 x 826	592 x 250 x 826	815 x 250 x 826	592 x 250 x 826
Net Weight (kg)	109	38	164	40
ENVIRONMENT				
Humidity	0-95% RH, 0-40 °C (Non-condensing)			
Noise Level	Less than 60dB, 1Meter		Less than 65dB, 1Meter	
MANAGEMENT				
Smart RS-232	Supports Windows 2000/2003/XP/Vista/2008, Windows 7,linux , Unix, and MAC			
USB				
Optional SNMP	Power management from SNMP manager and web browser			

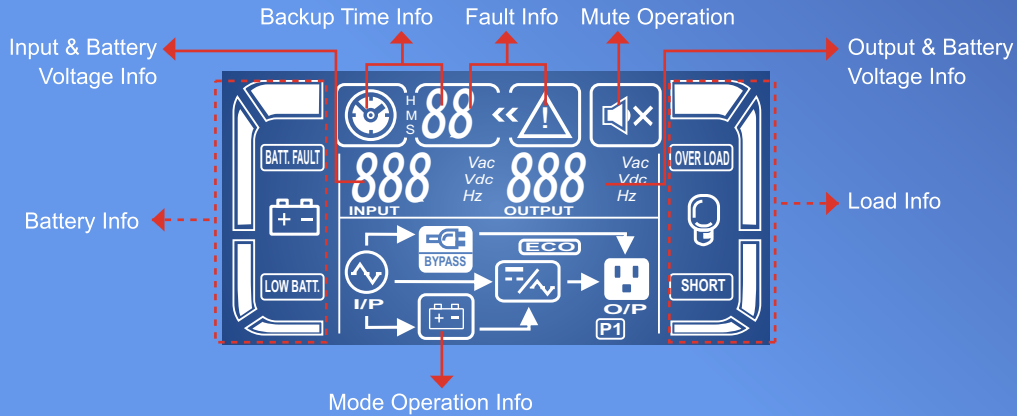
Model	TEC9000-G		TEC9000-GL	
Code	U9020IETHBGK		U9020LETHBGK	
Capacity (VA / W)	20000VA/18000W		30000VA/27000W	
INPUT				
Phase	3ph + N			
Input Voltage Range	3 x 400Vac			
Input Voltage Range	190 - 520 (3 Phase) at 50% load 305 - 478 (3 Phase) at 100% load			
Frequency Range	46~54Hz or 56~64Hz			
Power Factor	≥0.99, at 100% load			
OUTPUT				
Phase	3ph + N			
Output Voltage	3 x 400Vac			
AC Voltage Regulation (Batt. Mode)	±1%			
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz			
Frequency Range (Batt. Mode)	50 ±0.1Hz or 60 ±0.1Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2% THD (Linear Load) ≤ 5% THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sinewave			
EFFICIENCY				
AC Mode	91.5%		92.1%	
ECO Mode	96%			
Battery Mode	88%		89%	
BATTERY				
Numbers	20 pcs 2 x strings	Depending on the capacity of external batteries	20 pcs 3 x strings	Depending on the capacity of external batteries
Battery Type	12V / 9Ah		12V / 9Ah	
Typical Recharge Time (hours)	9 hours		9 hours	
Charging Current (max)	2.0 A	4.0 A	4.0 A	12.0 A
Charging Voltage	273 Vdc +1%			
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM				
Battery Mode	Sounding every 4 seconds			
Low Battery	Sounding every seconds			
Overload	Sounding twice every seconds			
Fault	Continuously sounding			
PHYSICAL				
Dimension (DxWxH)(mm)	815 x 250 x 826	592 x 250 x 826	815 x 300 x 1000	815 x 250 x 826
Net Weight (kg)	164	40	233.5	64
ENVIRONMENT				
Humidity	0-95% RH, 0-40 °C (Non-condensing)			
Noise Level	Less than 65dB, 1Meter			
MANAGEMENT				
Smart RS-232	Supports Windows 2000/2003/XP/Vista/2008, Windows 7,linux , Unix, and MAC			
USB				
Optional SNMP				

* Derate capacity to 90% when the output voltage is adjusted to 208Vac.

** L means long-run model

*** Product specification are subject to change without further notice

TEC 9000-G 9000-GL (3 phase - 3 Phase)



Features

True double-conversion online UPS

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer centers, servers, telecom applications, as well as for industrial applications.

Output power factor 0.9

Accepts dual-mains inputs

50/60Hz frequency Converter Mode

Lock output frequency at 50Hz or 60Hz to suit power sensitive equipments.

ECO mode operation for energy saving

offers efficiency as high as 97% to cut energy usage & cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

Emergency Power Off (EPO) Function

This feature can secure the personal and equipment in case of fires or other emergencies.

SNMP+UPS+RS-232 multiple communications for 1-3 models

This feature allows either UPS or RS-232 communication port to work with SNMP interface simultaneously.

Software

ViewPower - UPS Management Software

- *User-friendly power analyses graphs
- *Real-time dynamic graphs of UPS data
- *Safely OS shutdown and protection from data loss during power
- *Warning notifications via audible alarm, broadcast, mobile messenger and e-mail
- *Scheduled UPS on /off, battery test, programmable outlet control, and audible alarm control



DSP technology applied for 6K and up models

ADSP controller provides improved and cost-effective solution with high performance.

3-Stage extendable charging design to optimize battery performance

This feature extends the useful service life of batteries and optimizes battery recharge time. Besides, the extendable charger design can be stacked in numbers for larger-capacity battery charging.

Maintenance bypass available for all models

Internal bypass assures continuous power to critical devices during UPS maintenance.

Optional hot standby mode and N+X parallel redundancy available for 6K and up models

For genuinely redundant power protection, TEC9000-GL (6K and up models) can either be used in parallel operation with up to 3 units or hot standby mode. Slave UPS will back up the load in the event of critical component failure. It increases power safety and availability.

Accessory

Remotoe Control & Monitoring Agent

SNMP Card (Integrated with View Power Pro software)

SNMP Card



AS-400 Card



9-pin interface

RS-232 interface