



GTEC UPS MODEL:

NS3000 10 - 30 kVA

ALARM EXPLANATION

UPS供电	系统处于正常逆变供电状态下	Load On UPS	Inverter feeds load
旁路供电	系统处于旁路供电状态下	Load On Byp	Bypass feeds load
均不供电	系统无输出	No Load	There is no output power for load.
电池均充	电池处于均充状态	Batt Boost	Charger is working in boost charging mode
电池浮充	电池处浮充状态	Batt Float	Charger is working in float charging mode
电池放电	系统工作在电池放电状态下	Batt Discharge	Battery is discharging
电池有	电池接入	Batt Connected	Battery is connected already
电池无	电池未接入	Batt Not Connected	Battery is not connected.
维修空开闭合	维修空开闭合	Maint CB Closed	Manual maintenance breaker is closed
维修空开断开	维修空开断开	Maint CB Open	Manual maintenance breaker is opened
紧急关机	系统紧急关机，EPO	EPO	Emergency Power Off
发电机接入	外部发电机接入	Generator Input	Generator is connected and a signal is sent to the UPS.
市电异常	输入市电有异常	Utility Abnormal	Utility (Grid) is abnormal. Mains voltage or frequency exceeds the upper or lower limit and results in rectifier shutdown. Check the input phase voltage of rectifier.
旁路相序接反	旁路输入相序反	Byp Sequence Err	Bypass voltage Sequence is reverse. Check if input power cables are connected correctly.
旁路电压异常	旁路输入电压异常	Byp Volt Abnormal	<p>This alarm is triggered by an inverter software routine when the amplitude or frequency of bypass voltage exceeds the limit. The alarm will automatically reset if the bypass voltage becomes normal. First check if relevant alarm exists, such as “bypass circuit breaker open”, “Byp Sequence Err” and “Ip Neutral Lost”. If there is any relevant alarm, first clear this alarm.</p> <p>1. Then check and confirm if the bypass voltage and frequency displayed on the LCD are within the setting range. Note that the rated voltage and frequency are respectively specified by “Output Voltage” and “Output Frequency”.</p> <p>2. If the displayed voltage is abnormal, measure the actual bypass voltage and frequency. If the measurement is abnormal, check the external bypass power supply. If the alarm occurs frequently, use the configuration software to increase the bypass high limit set point according to the user’s suggestions</p>
旁路故障	旁路有故障	Byp Module Fail	Bypass Module Fails. This fault is locked until power off. Or bypass fans fail.
旁路过载	旁路输出过载	Byp Ov Load	Bypass current is over the limitation. If bypass current is under 135% of the rated current. The UPS alarms but has no action.
旁路过载延时到	旁路输出过载延时到	Byp Ov Load Tout	The bypass overload status continues and the overload times out.
旁路频率超跟踪	旁路频率超出跟踪范围	Byp Freq Ov Track	<p>This alarm is triggered by an inverter software routine when the frequency of bypass voltage exceeds the limit. The alarm will automatically reset if the bypass voltage becomes normal. First check if relevant alarm exists, such as “bypass circuit breaker open”, “Byp Sequence Err” and “Ip Neutral Lost”. If there is any relevant alarm, first clear this alarm.</p> <p>1. Then check and confirm if the bypass frequency displayed on the LCD are within the setting range. Note that the rated frequency are respectively specified by “Output Frequency”.</p> <p>2. If the displayed voltage is abnormal, measure the actual bypass frequency. If the measurement is abnormal, check the external bypass power supply. If the alarm occurs frequently, use the configuration software to increase the bypass high limit set point according to the user’s suggestions</p>
本小时切换次数到	最近一个小时内旁路和逆变之间切换次数超过5次		

输出短路	系统输出短路	Output Shorted	Output shorted Circuit. First check and confirm if loads have something wrong.Then check and confirm if there is something wrong with terminals, sockets or some other power distribution unit.If the fault is solved, press “Fault Clr”to restart UPS.
电池EOD	电池电压到达电池关机点	Batt EOD	Inverter turned off due to low battery voltage. Check the mains power failure status and recover the mains power in time
电池自检	系统进入电池自检模式		
电池自检成功	系统自检电池正常	Batt Test OK	Battery Test OK
电池手动自检失败	系统自检出电池有问题		
电池维护	系统处于电池维护状态		
电池维护成功	电池维护状态完成	Batt Maint OK	Battery maintenance succeed
电池维护失败	电池维护过程未正常完成		
终止测试	电池自检或电池维护状态停止		
故障清除	清除报出的故障	FaultClr	Manually clear fault
删除历史记录	删除所有的历史记录	Log Clr	Manually clear History log
N#通信节点加入	第N#模块加入系统	N# Comm Node Join	The N# Power Module is inserted in system.
N#通信节点退出	第N#模块退出系统	N# Comm Node Exit	The N# Power Module is pulled out from system.
N#整流器故障	N#模块整流器故障	N# REC Fail	The N# Power Module Rectifier Fail, The rectifier has fault and results in rectifier shutdown and battery discharging.
N#逆变器故障	N#模块逆变器故障	N# INV Fail	The N# Power Module Inverter Fail. The inverter output voltage is abnormal and the load transfers to bypass.
N#整流器过温	N#模块整流器过温	N# REC OV Temp.	The N# Power Module Rectifier Over Temperature. The temperature of the rectifier IGBTs is too high to keep rectifier running. This alarm is triggered by the signal from the temperature monitoring device mounted in the rectifier IGBTs. The UPS recovers automatically after the over temperature signal disappears. If over temperature exists, check: 1. Whether the ambient temperature is too high. 2. Whether the ventilation channel is blocked. 3. Whether fan fault happens. 4. Whether the input voltage is too low.
N#风扇故障	N#模块风扇故障	N# Fan Fail	At least one fan fails in the N# power module.
N#输出过载	N#模块输出过载	N# Output Ov Load	The N# Power Module Output Over Load. This alarm appears when the load rises above 100% of nominal rating. The alarm automatically resets once the overload condition is removed. 1. Check which phase has overload through the load (%) displayed in LCD so as to confirm if this alarm is true. 2. If this alarm is true, measure the actual output current to confirm if the displayed value is correct.Disconnect non-critical load. In parallel system, this alarm will be triggered if the load is severely imbalanced.

N#过载超时	N#模块输出过载超时	N# INV Ov Load Tout	N# Power Module Inverter Over Load Timeout. The UPS overload status continues and the overload times, out.Note:The highest loaded phase will indicate overload timing-out first.When the timer is active,then the alarm “unit over load” should also be active as the load is above nominal. When the time has expired, the inverter Switch is opened and the load transferred to bypass. If the load decreases to lower than 95%, after 2 minutes, the system will transfer back to inverter mode. Check the load (%) displayed in LCD so as to confirm if this alarm is true. If LCD displays that overload happens, then check the actual load and confirm if the UPS has over load before alarm happens.
N#逆变器过温	N#模块逆变器过温	N# INV Ov Temp.	The N# Power Module Inverter Over Temperature. The temperature of the inverter heat sink is too high to keep inverter running. This alarm is triggered by the signal from the temperature monitoring device mounted in the inverter IGBTs. The UPS recovers automatically after the over temperature signal disappears.If over temperature exists, check: Whether the ambient temperature is too high.Whether the ventilation channel is blocked. Whether fan fault happens.Whether inverter overload time is out.
逆变供电禁止	逆变器禁止供电	On Ups Inhibited	Inhibit system transfer from bypass to UPS (inverter). Check: Whether the power module’s capacity is big enough for load. Whether the rectifier is ready. Whether the bypass voltage is normal.
手动切旁路	手动将系统切到旁路输出	Manual Transfer Byp	Transfer to bypass manually
取消手动切旁路	手动将系统从旁路切到逆变输出	Esc Manual Byp	Escape from “transfer to bypass manually” command. If UPS has been transferred to bypass manually, this command enable UPS to transfer to inverter.
电池电压低	电池电压低	Batt Volt Low	Battery Voltage is Low. Before the end of discharging, battery voltage is low warning should occur. After this pre-warning, battery should have the capacity for 3 minutes discharging with full load.
电池接反	电池极性接反	Batt Reverse	Battery cables are connected not correctly.
N#逆变保护	N#模块逆变器保护	N# INV Protect	The N# Power Module Inverter Protect. Check: Whether inverter voltage is abnormal Whether inverter voltage is much different from other modules, if yes, please adjust inverter voltage of the power module separately.
输入N线断开	系统输入N线断开	Ip Neutral Lost	The mains neutral wire is lost or not detected. For 3 phases UPS, it’s recommended that user use a 3-poles breaker or switch between input power and UPS.
旁路风扇故障	旁路模块风扇故障	Byp Fan Fail	At least one of bypass module Fans Fails
N#手动关机	N#模块手动关机	N# Manual Shutdown	The N# Power Module is manually shutdown. The power module shuts down rectifier and inverter, and there’s on inverter output.