



GTEC UPS MODEL:

ZP120N TOWER

6 – 20 kVA

ALARM EVENT DEFINITION

Display	Alarm NO	item	ZPN Series UPS	
			Tower 6-10K	3/1 10-20K
1. Single				
1.1 Utility Input(0X X:1-F)				
Bypass Abnormal,	01	Event	√	√
Utility Abnormal,	02	Event	√	√
HE Abnormal,	03	Event	√	√
Site Wiring Fault,	04	Alarm	√	
Neutral or GND loss	05	Alarm		√
1.2 Battery&Charger(1X X:1-F)				
Battery Disconnect	11	Alarm	√	√
Battery Low	12	Alarm	√	√
Service Battery,	13	Alarm		
Over Charge	14	Alarm	√	√
Charger Fail	15	Alarm	√	√
Battery Over Voltage	16	Alarm	√	
ABM State Charging,	17	Event		
ABM State Floating,	18	Event		
ABM State Resting,	19	Event		
ABM State OFF,	1A	Event		
Battery Test Fail,	1B	Event	√	√
Battery Test Interrupt,	1C	Event	√	√
1.2 PFC&Bus(2X X:1-F)				
BUS Over Voltage	21	Alarm	√	√
BUS Under Voltage	22	Alarm	√	√
BUS Unbalance,	23	Alarm		√
BUS Short,	24	Alarm	√	√
BUS Softstart Fail	25	Alarm	√	√
One phase error	26	Alarm	√	√
IP fuse open	27	Alarm	√	
1.3 Inv&Output(3X X:1-F)				
Output Short Circuit	31	Alarm	√	√
Inv Over Voltage	32	Alarm	√	√
Inv Under Volatge	33	Alarm	√	√
Inv Softstart Fail	34	Alarm	√	√
1.4 Load(4X X:1-F)				
Output Overload	41	Alarm	√	√
Inv Overload Fault	42	Alarm	√	√
Byp Overload Fault	43	Alarm	√	√
1.5 Ups Operation(5X X:1-F)				
UPS Control Power On	51	Event	√	√
UPS On from Panel	52	Event	√	√
UPS On from COM	53	Event	√	√
UPS Auto On	54	Event	√	√
UPS Off from Panel	55	Event	√	√
UPS Off from COM	56	Event	√	√
UPS Auto Off	57	Event	√	√
1.6 Ups Mode(6X X:1-F)				
In Line Mode	61	Event	√	
In Battery Mode	62	Event	√	√
In Eco Mode,	63	Event	√	√
In Bat Test Mode	64	Event	√	√
In Converter Mode,	65	Event	√	√
1.7 Epo&Matain Bypass(7X X:1-F)				
Epo Active	71	Alarm	√	√
On Maintain Bypass	72	Alarm	√	√

1.8 NTC&Temperature&Fan(8X X:1-F)				
Heatsink Over Temperature,	81	Alarm	✓	✓
Ambient Over Temperature,	82	Alarm	✓	
Ambient NTC abnormal	83	Alarm	✓	
Fan Failure,	84	Alarm	✓	
Fan lock	85	Alarm	✓	✓
Heatsink Over Temperature pre-alarm,	86	Alarm		
Heatsink NTC abnormal	87	Alarm		
1.9 Ups Internal Error(9X X:1-F)				
OP relay open	91	Alarm	✓	
Model Pin Error	92	Alarm	✓	
Back Feed	93	Alarm	✓	✓
Byp Relay Sticked,	94	Alarm		✓
1.10 Other(AX X:1-F)				
Read EEPROM Error	A1	Alarm	✓	
Clock Set Done,	A2	Event		✓
Fatal EEPROM Fault	A3	Alarm		
2. Parallel(EX X:1-F) If no enough,then use FX				
Negative Power Fault	E1	Alarm	✓	✓
Para Cable Loss	E2	Alarm	✓	✓
Para Cable Male Loss	E3	Alarm	✓	✓
Para Cable Female Loss	E4	Alarm	✓	✓
Para Cable Loss	E5	Alarm	✓	✓
Para Bat Differ	E6	Alarm	✓	✓
Para Line Differ	E7	Alarm	✓	✓
Para Byp Differ	E8	Alarm	✓	✓
Para Work Mode Differ	E9	Alarm		✓
Para Rate Power Differ	EA	Alarm	✓	✓
ECO In Para	EB	Alarm	✓	✓
Para Load Unbalance	EC	Alarm		
CAN Commu Fail	ED	Alarm	✓	✓
Para Number Over	EE	Alarm	✓	

Note:

- Red Marked are fault codes
- Violet marked warning codes