

1 SINGLE PHASE IN/OUT UPS SPECIFICATION

Model	TT-8104	TT-8106	TT-8108	TT-8110	TT-8115	TT-8120
Capacity	4KVA	6KVA	8KVA	10KVA	15KVA	20KVA
AC Input						
Voltage	Single phase 160~260VAC					
Frequency	50(60) Hz \pm 5%					
Max Current	24A	34A	45A	56A	82A	112A
AC Output						
Voltage	Single phase 220VAC					
Frequency	50(60) Hz					
Voltage range	\pm 1%					
Frequency range	\pm 0.5% (Mains off)					
Wave form	SPWM pure sine-wave					
Power factor	0.8(lag)					
THD	<3%(linear load)					
Transient response	Voltage change \leq 4% (100% load into or out)					
Battery						
Voltage	192VDC					
Type	Sealed lead-acid battery, maintenance free					
Charging time	90% capacity in 8-10 hours					
Warning settings						
Mains off	Buzzer calling 1 time every 4 seconds					
Mains abnormal	Buzzer calling 1 time every 4 seconds Mains mode indicator light flashing					
Battery running out	Buzzer calling 1time every 1second; Battery mode indicator light flashing, Battery low-voltage indicator lighting					
Over-load	Over-load indicator lighting · buzzer long calling					
UPS abnormal	Failure indicator lighting · buzzer long calling					

Model	TT-8104	TT-8106	TT-8108	TT-8110	TT-8115	TT-8120
Capacity	4KVA	6KVA	8KVA	10KVA	15KVA	20KVA
Protection Settings inside						
Battery	Automatically switch off UPS while battery low-voltage, No fuse switch protection					
Overload	Automatically switch to bypass in 30 seconds when 110%-150% overload , automatically resume when load become normal					
Over-temperature	Automatically switch to bypass when temperature >85℃ inside UPS					
Output short-circuit	Current limit, power off automatically, No fuse switch protection					
UPS abnormal	Automatically switch to bypass, the load directly powered by Mains					
Clutter filter	10~100KHz at 40dB; 100KHz~100MHz at 70dB					
Control Panel						
LCD display screen	I/ O voltage, I/ O frequency, Battery voltage, Output power percentage(%), Inverter temperature					
Battery low voltage indicator	Lighting when battery low voltage					
Over-load indicator	Lighting when over load					
UPS status indicator light	Mains mode; battery mode; inverter mode; bypass mode; UPS abnormal					
Environment						
Temperature	0~40℃					
Humidity	20~90% no condensing					
Altitude	<1000m(output power reduces 5% for each additional altitude 500m)					
Noise	<58dB (1m away from UPS)					
Appearance						
I/O connection ways			Terminal blocks			
Net weight (battery free)	63Kg	75Kg	96Kg	105Kg	180Kg	208Kg
WxDxH (mm)	250x580x700		310x590x850		410x680x1020	
Other						
Machine efficiency	> 85%					
Transfer time	0ms					

Communication	RS232 interface; external SNMP adaptor (optional)
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2 3 PHASES IN/ 1 PHASE OUT UPS SPECIFICATION

Model	TT-8306	TT-8310	TT-8312	TT-8315	TT-8320	TT-8330
Capacity	6KVA	10KVA	12KVA	15KVA	20KVA	30KVA
AC Input						
Voltage	3-phase input 380VAC±20%					
Frequency	50(60) Hz ±5%					
Max Current	10A	16A	20A	24A	32A	56A
AC Output						
Voltage	Single phase 220VAC					
Frequency	50(60) Hz					
Voltage range	±1%					
Frequency range	±0.5% (M)					
Wave form	SPWM pure sine-wave					
Power factor	0.8(lag)					
THD	<3%(linear load)					
Transient response	Voltage change≤4%(100% load into or out)					
Battery						
Voltage	192VDC					
Type	Sealed lead-acid battery, maintenance free					
Charging time	90% capacity in 8-10 hours					
Warning settings						
Mains off	Buzzer calling 1 time every 4 seconds					
Mains abnormal	Buzzer calling 1 time every 4 seconds Mains mode indicator light flashing					
Battery running out	Buzzer calling 1time every 1second; Battery mode indicator light flashing, Battery low-voltage indicator lighting					
Over-load	Over-load indicator lighting, buzzer long calling					

UPS abnormal	Failure indicator lighting, buzzer long calling
Machine efficiency	>85%
Transfer time	0ms

Model	TT-8306	TT-8310	TT-8312	TT-8315	TT-8320	TT-8330
Capacity	6KVA	10KVA	12KVA	15KVA	20KVA	30KVA
Protection Settings inside						
Battery	Automatically switch off UPS while battery low-voltage, No fuse switch protection					
Overload	Automatically switch to bypass in 30 seconds when 110%-150% overload , automatically resume when load become normal					
Over-temperature	Automatically switch to bypass when temperature >85°C inside UPS					
Output short-circuit	Current limit, power off automatically, No fuse switch protection					
UPS abnormal	Automatically switch to bypass, the load directly powered by Mains					
Clutter filter	10~100KHz at 40dB; 100KHz~100MHz at 70dB					
Control Panel						
LCD display screen	I/ O voltage, I/ O frequency, Battery voltage, Output power percentage(%), Inverter temperature					
Battery low voltage indicator	Lighting when battery low voltage					
Over-load indicator	Lighting when over load					
UPS status indicator light	Mains mode; battery mode; inverter mode; bypass mode; UPS abnormal					
Communication	RS232 interface; external SNMP adaptor (optional)					
Environment						
Temperature	0~40°C					
Humidity	20~90% no condensing					
Altitude	<1000m(output power reduces 5% for each additional altitude 500m)					
Noise	<58dB (1m away from UPS)					

Appearance						
I/O connection ways	Terminal blocks					
Net weight (battery free)	50Kg	90Kg	120Kg	240Kg	280Kg	360Kg
WxDxH(mm)	250x 580x 700(mm)	310x590x850 (mm)		410x680x1020 (mm)		