

CHUPHOTIC JUPITER TD

Performance Power Solutions

JUPITER TD From 10 kVA to 250 kVA



3Phase True Online Double Conversion UPS DSP Low Frequency with Isolated Transformer



9 30NP 7500 RPM











Application

• Industrial and Commercial tax affair

- Financial and Securities
- Industrial Equipment
- Medical & Health equipments
- Large Internet Computer Room
- Postal & Telecommunications
- Energy & Electricity
- Hospital, Medical Lab.
- Data Center & Server Room

Features

• True Online Double Conversion UPS with IGBT design

U

- DSP Low Frequency, High Reliability Performance
- 3 Phase UPS allow 100% Unbalance Load
- Advance PCB SMD Technology
- IGBT Inverter and Output Isolated Transformer Design
- · Wide Input Voltage Range
- DC Cold Start Function
- · Advance Battery Charging Management
- Intelligent Fan Speed Control
- ECO Mode Function
- Intelligent RS232/RS485 Communication Port
- SNMP Adapter (optional)
- EPO Function
- Advance no-master-slave parallel Technology
- Intelligent Battery Monitor System MMBM (optional)
- 12 Pluse Rectifier (optional)
- Bypass Isolation Transformer (optional)
- Parallel Redundancy N+X Function (optional)

The Performance UPS

Jupiter TD on line intelligent digital UPS congregates the essence of technology and entirely broke the bottleneck technology in traditional simulation circuit era. It adopt the DSP control technology, big power IGBT and static switch as power components. Guided by these most advanced technologies in the world, It is really the first class product. Jupiter Plus UPS is large power. The capacity can be from 10kVA-250kVA.

Advance Fully DSP Control

The inverter control, synchronization phase, input rectifier control, Logic control of the UPS all adopt DSP digital control. The UPS with high precision, fast speed,comprehension performance and high reliability.

Intelligent Parallel Technology

With high parallel ability, can be freely parallel up to 6 pcs. Geminately improve the output power. Each parallel until independence, no host and subordinate requirement, each unit can be the main unit, to make sure the parallel easily achieve.

N+1 in Parallel can be with Common Battery Bank

In the real application parallel system, the traditional UPS must use separate battery and battery bank. The traditional configuration not only add the cost aldo make the system unreliable. Our new generation DSP. The N+1, N+1 in parallel can be with common battery bank. Highly improve the system reliability, saving the cost

LCD Design with LED Indicator

Large screen colorized LCD design, easily operation, very convenience for daily management and maintenance. Can timely display the UPS operation parameter the working status. The inner CPU can make record and alarm.

Flexible Working Operation Selection

Jupiter TD UPS with three working mode UPS, EPS and ECO mode. The use can setting the work mode through the touch screen directly. Energy saving design. Beside keep the traditional UPS functions, Jupiter TD UPS with ECO operation. In the energy saving mode working.



Intelligent Detecting System Completely Guard

This system the microprocessor can continuously on line detect the power status, the breaker status and all the circuit working status. When failure happen, the detecting system will immediately inform the operator and synchronized start the UPS completely protection function.

Intelligent Battery Management

Jupiter series UPS adopt the intelligent battery management

system. Can be automatically adjust the battery charge current parameter according to the battery configuration, also can be reach boost and float charge transfer, the temperature compensation and battery discharge management. Beside this Jupiter can detect the battery operation management through the monitor interface to make sure the battery high efficiency operation. The intelligent battery management not only reduces the operator's work force also prolong the battery life time more then 55%.

Intelligent Fan Speed Control

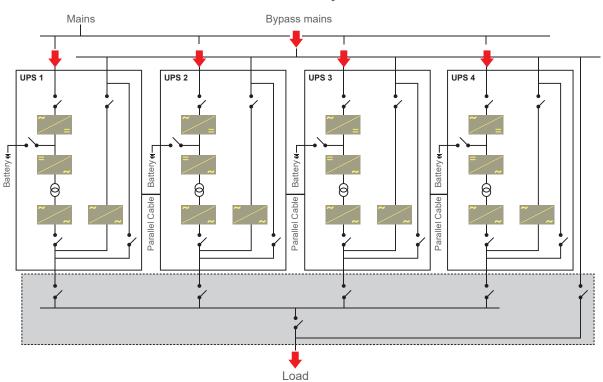
Fan can adjust rotate speed in accordance with the loading Status to prolong fans life and lower noise.

Manual Bypass Maintenance Design

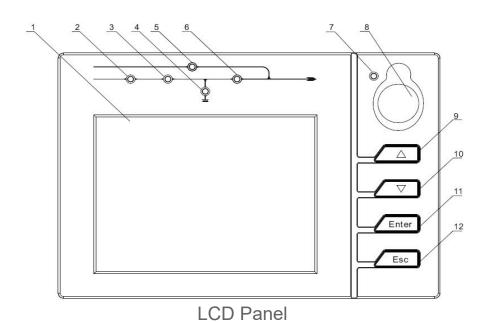
Design bypass maintenance channel to assure the maintenance on machine without load power break.

Perfect Protection

It has output over-low load protection, Input surge protection, phase sequence protection, battery over charge-discharge protection, short circuit protection, over temperature protection and so on, as well as alarming function.







Panel Introduction

- 1. LCD screen
- 2. Line LED
- 3. Rectifier LED
- 4. Battery LED
- 5. Bypass LED
- Inverter LED
 Fault LED
- . Emergency Power Off (EPO)
- 8. Emergency
 9. UP
- 9. UP 10. Down
- 11. Enter
- 12. Esc

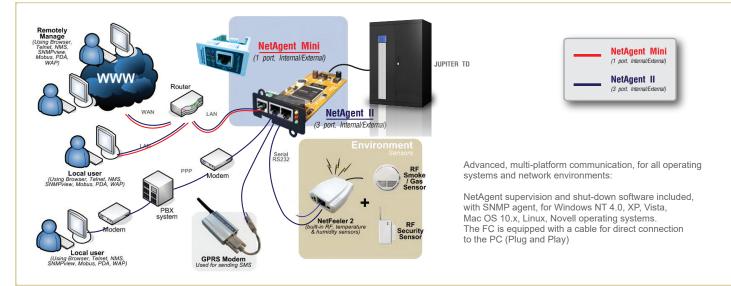
JUPITER TD Three phase in-Three phase out

Model	TD3310	TD3315	TD3320	TD3330	TD3340	TD3350	TD3360			
Destinent	10kVA	15kVA	20kVA	30kVA	40kVA	50kVA	60kVA			
Power Rating	9kW	13.5kW	18kW	27kW	36kW	45kW	54kW			
Fechnology	True On-line Double Conversion with Isolated Transformer									
nput Power Factor				Factor Correcto						
Rectifier Type				Pulse with EMI-						
NPUT SYSYTEM			, , , , , , , , , , , , , , , , , , ,		1 /					
Phase		3	phase 4 wire +	PE (3 phase 4)	wire + PF optior	1)				
/oltage	3 phase 4 wire + PE (3 phase 4 wire + PE option) L-N/L-L : 220/380VAC ±25% (200/346,208/360,230/400,240/415 option)									
Frequency				50Hz + 8% (46-5			/			
Soft Start	0~100% 10sec									
BYPASS SYSTEM										
Phase	3 phase 4 wire + PE (3 phase 4 wire + PE option)									
Voltage	L-N/L-L : 220/380VAC±10% (200/346, 208/360, 230/400, 240/415 option)									
Transfer Time	0ms : Zero Transfer									
CHARGER SYSTEM										
Charge Mode	384Vdc : Tri-State Charge (Buck,Boost,Float)									
Float Voltage	384Vdc : 11-State Charge (Buck, Boost, Float) 384Vdc : 432-441.6VDC									
Boost Voltage	384Vdc : 452-441.0VDC 384Vdc : 454.4-464VDC									
Battery Charge Current	10-25A setting									
OUTPUT SYSTEM										
Phase	3 phase 4 wire + PE (3 phase 4 wire + PE option)									
Voltage	L-N/L-L : 220/380VAC ±1% (200/346, 208/360, 230/400, 240/415 option)									
Frequency	50Hz/60Hz <±0.1% (Battery Mode)									
Wave From	Pure Sine Wave									
Unbalance Load Voltage	≤2%, compatible 100% unbalance									
Total Harmonic Distortion	THDv : <3% at Full Load (Linear Load), <8% at Full Load (Non Linear Load)									
Efficiency AC/AC, DC/AC	≥76%, ≥80% ≥82%, ≥86% ≥90%, ≥90%									
Transfer Time	0ms : Zero Transfer									
Power Factor	PF 0.9 (PF 1.0 Option)									
Overload Capacity		105% Load	for continuous,	125% Load for	2 mins, 150% L	oad for 30 sec				
BATTERY										
Battery Type		AGM / SLA : S	ealed Lead Acid	d (Maintenance	Free)Battery (C	ption : UL94-V	0)			
Battery Capacity	AGM / SLA : Sealed Lead Acid (Maintenance Free)Battery (Option : UL94-V0) External Battery Unit									
Battery Voltage	384VDC / 32Pcs									
Battery Self-testing	Automatically Alarm and Estimate Battery in battery abnormal status									
PROTECTION SYSTEM			, ,		5					
Input Protection		Input Vo	Itage / Frequen	cv Over limited.	Wrong phase, I	ack phase				
Output Protection	Input Voltage / Frequency Over limited, Wrong phase, Lack phase Over Current, Short Circuit, Output Over / Under Voltage									
Battery Protectio	Over Charge, Over-Discharge Protection									
Temperature Protection	Ambient over- temperature protection, Inverter over- temperature protection									
Maintenance Bypass	MCB Bypass									
Alarm	Overload, Abnormal AC input, Low battery, UPS Failure									
INDICATOR					-					
LED/LCD Display	AC n	nains. Inverter	Output. Batterv	Rectifier, Bypa	ss. Maintenance	e, Phase, Load	. Fault			
	AC mains, Inverter, Output, Battery, Rectifier, Bypass, Maintenance, Phase, Load , Fault									
Intelligent Port	RS232/RS485 and Dry Contacts. (MODBUS and SNMP adapter are optional)									
		1.0202/1.0400					'/			
				<u><</u> 55 dB						
	<u> </u>									
Temperature Humidity	0~40 °C 0~95% (Non Condensing)									
Humidity			0~95		isiliy)					
STANDARD	TIO						IF OCTOR			
Safety / EMC / Performance	HS.1291 :	Part1-2553, Pa		2555, C3 / CE		2, -3, IEC55022	, IEC61000			
Manufacturer QMS		455 000 101-		: 2015 / ISO140						
Dimension (WxDxH) mm.	455x830x1045 455x830x1045 500x830x1045 700x800x1600									
Weight (Kg.)	323	353	373	393	450	470	490			

JUPITER TD Three phase in-Three phase out

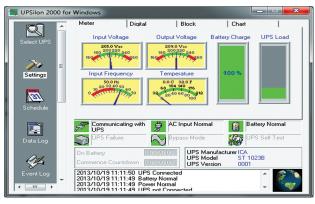
Model	TD3380	TD33100	TD33120	TD33160	TD33200	TD33250					
CAPACITY	80kVA	100kVA 90kW	120kVA 108kW	160kVA 144kW	200kVA	250kVA 225kW					
	72kW				180kW						
Technology		True On-line Double Conversion with Isolated Transformer									
Input Power Factor			ligh Power Factor								
Rectifier Type		6 Pulse (12 Pulse with EMI-Filter option)									
INPUT SYSYTEM											
Phase		3 phase 4 wire + PE (3 phase 4 wire + PE option)									
Voltage		L-N/L-L: 220/380VAC ±25% (200/346,208/360,230/400,240/415 option)									
Frequency	50Hz <u>+</u> 8% (46-54)										
Soft Start	0~100% 10sec										
BYPASS SYSTEM		0.1	4		<i></i>						
Phase	3 phase 4 wire + PE (3 phase 4 wire + PE option)										
Voltage	L-N/L-L: 220/380VAC ±10% (200/346, 208/360, 230/400, 240/415 option)										
Transfer Time	0ms : Zero Transfer										
CHARGER SYSTEM											
Charge Mode	384Vdc : Tri-State Charge (Buck,Boost,Float)										
Float Voltage Boost Voltage	384Vdc : 432-441.6Vdc										
Battery Charge Current		384Vdc : 454.4-464Vdc 10-25A setting									
			10-234	setting							
Phase		2 pho	a = 4 wire + DE (2)	abaaa 4 wira + DE	(option)						
Voltage	3 phase 4 wire + PE (3 phase 4 wire + PE option)										
Frequency	L-N/L-L: 220/380VAC ±1% (200/346, 208/360, 230/400, 240/415 option) 50Hz/60Hz<±0.1% (Battery Mode)										
Wave From	Pure Sine Wave										
Unbalance Load Voltage	≤2%, compatible 100% unbalance										
Total Harmonic Distortion		THDv : <3% at Full Load (Linear Load), <8% at Full Load (Non Linear Load)									
Efficiency AC/AC, DC/AC	≥90, ≥92%										
Transfer Time	0ms : Zero Transfer										
Power Factor	PF 0.8 (PF1.0 Option)										
Overload Capacity		105% Load for co	ontinuous, 125% L	oad for 2 mins, 15	50% Load for 30 se	С					
BATTERY											
Battery Type	ŀ	AGM / SLA : Sealed			ery (Option : UL94	-V0)					
Battery Capacity	External Battery Unit										
Battery Voltage	384Vdc : 32Pcs										
Battery Self-testing		Automatically A	larm and Estimate	Battery in battery	abnormal status						
PROTECTION SYSTEM											
Input Protection	Input Voltage / Frequency Over limited, Wrong phase, Lack phase										
Output Protection	Over Current, Short Circuit, Output Over / Under Voltage										
Battery Protectio	Over Charge, Over-Discharge Protection										
Temperature Protection	Ambient over- temperature protection, Inverter over- temperature protection										
Maintenance Bypass	MCB Bypass Overload, Abnormal AC input, Low battery, UPS Failure										
Alarm		Overioad,	Abhormai AC inp	ut, Low battery, O	PS Fallure						
	A.O	ing Inverter Outer	it Dottom: Dest	r Dunger Mainte	nanco Dhara Lar	d Foult					
LED/LCD Display	AC mains, Inverter, Output, Battery, Rectifier, Bypass, Maintenance, Phase, Load , Fault										
		0000 / 00 405	Day Carstant (111		Dedentar an f	in all)					
Intelligent Port	R	S232 / RS485 and	Dry Contacts. (MC	UBUS and SNM	- adapter are optio	nai)					
ENVIRONMENT											
Audible Noise	≤ 75 dB										
Temperature		0~40 °C									
Humidity	0~95% (Non Condensing)										
STANDARD	TIO (00)				0.4. 0. 0. 150555						
Safety / EMC / Performance	HS.1291 : F	Part1-2553, Part2-2			0-1, -2, -3, IEC550	22, IEC61000					
Manufacturer QMS Dimension (WxDxH) mm.	700,00,00,4000	000-0		ISO14001:2015	1600×1000×1000						
· · · · ·	700x800x1600 690	725	70x1870 775	905	1600x1000x1800 1190	1300					
Weight (Kg.) All specification subject to change without notice 	090	120	110	303	1190	1500					

Communication and Power Management Solutions



ADVANCED COMMUNICATION

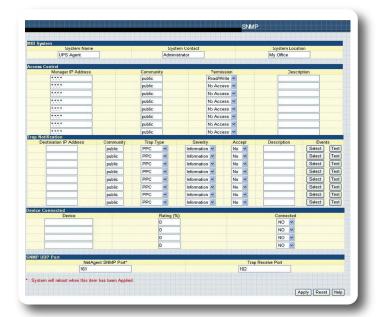
- Comprehensive UPS management with flexible configuration via Web Browser, NMS, Telnet or SNMP.
- Support advance encryption: HTTPS, SSL, SSH, SNMPv3
- · Centralized authentication by Radius
- Event notification via E-mail, SMS or Trap
- Support NetFeeler II (environment monitoring) with temperature,
- humidity, water presence, smoke and door / window sensors Support USB Wifi 802.11b/g, USB flash disk / external USB HDD,
- compatible USB camera & more Support UPS MIB, RFC1628, PPC MIB
- Support GPRS modem
- Multi-language user interface Real-time UPS monitoring ٠
- Schedule periodic UPS self-test
- Record event / data log
- Can also provide shut-down software for: IBM AIX; Free BSD; BSDI UNIX; BSD/OS; SCO Unixware; SCO Openserver; Sun Solaris; Compaq True64; HP UNIX; HP OpenVMS; HP Openview; SGI Irix MIPS; NCR UNIX
- · Battery test log



UPSilon 2000 UPS Monitoring software

For Microsoft Windows 95 / Microsoft Windows 98 / Microsoft Windows NT / Microsoft Windows 2000 / Microsoft Windows Me / Microsoft Windows XP / Novell NetWare, Linux, FreeBSD

- Auto sending warning messages by e-mail.
- Auto sending warning messages by pager.
- Auto detecting AC power failure and UPS battery low.
- Providing the UPS expected time setting of power supply.
- History data recording.
- Auto shutting down the system and turning off the UPS when AC power failed.
- Broadcasting the warning messages to all the workstations.
- Display the system shutdown countdown.
- Able to operate on server and workstation.
- Schedule on/off in a week
- Programmable UPS auto-testing period.
- UPS status reporting on server screen, including the input/output voltage, load, line frequency, temperature and so on.
- Local Network UPS monitoring through an Net Agent or SNMP Agent.



SNMP UDP

This is to configure the UDP port of the NetAgent and trap receiver. SNMP default port is 161; and Trap MIB is UDP162

AS-400 Card

The AS400 communication card provides contact closures for remote monitoring your UPS. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper. This suitable applications are listed below:

- · IBM Server, Personal PC & Workstations equipments
- · Auto-controlled industrial equipment & communication applications

CHUPHOTIC GROUP

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