

# ROSSO TDD Series

HIGHEST ACTIVE POWER FOR  
A RACK MOUNT UPS

6000VA ~ 10000VA

With its Power Factor 1, the ROSSO Power TDD Series delivers the highest active power for the same kVA. The compact version with batteries included is the simplest choice for server protection.



## PERFECT FOR:



IT Loads & Servers



Critical Loads



Healthcare



Industry

## Features



- kW =kVA– More available power than any other UPS of the same category
- Convertible rack/tower with rotating display
- Compact version with batteries included
- High efficiency also in online mode
- 4 units parallel, 3+1 redundancy possibility with parallel kit
- Generator compatibility to guarantee efficient functioning
- Extremely wide input voltage range, to reduce battery cycling and increase battery lifetime
- Flexible battery configuration to best adapt to your needs
- Precise patented backup time estimation
- Multiple operation modes to maximize energy efficiency
- Flash upgradable firmware for updates and customization
- Manual extra service check
- USB, communicationslot, EPO/ROO

## Options



- External battery cabinets with the same aesthetics
- Versions with transformer in the same case of the battery bank
- Extra battery charger
- Parallel bypass box
- External maintenance bypass and sockets
- Rail kit
- RS232
- Dual input on 10kVA model
- External bypass switch
- External socket

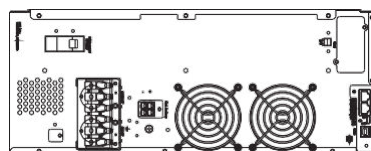
## Back Panel



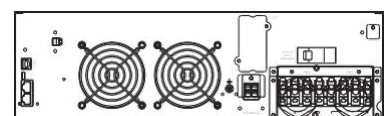
TDD2U 6000



TDD4U 6000



TDD3U 10000



# Specifications

MODEL		TDDT2U 6000	TDD4U 6000	TDD3U 10000	
<b>INPUT</b>	Phase	Single Phase			
	Voltage Range**	110-280VAC			
	Frequency Range	45~70Hz			
	Current Distortion	<3%			
	Power Factor	Up to 0.99 @ 100% linear mode			
<b>OUTPUT</b>	Voltage (without transformer)	220/208/220/230/240 Vac, settable			
	Capacity	6000VA/6000W	6000VA/6000W	10000VA/10000W	
	Power Factor**	1			
	Voltage Distortion	⊗2% @100% load			
		⊗7% @100% nonlinear load			
	Output Voltage Regulation	without transformer	±1%		
		with transformer	±3%		
	Frequency Range	±1Hz or ±3Hz(selectable)			
	Crest Factor	3:1			
Output Waveform	Pure Sinewave				
<b>EFFICIENCY</b>	Online Mode	Up to 94%			
	ECO Mode	Up to 98%			
<b>PHYSICAL</b>	Dimensions (WxHxD, mm)	440x88x685	440x176x685	440x132x685	
	Net Weight (kg)	18.5	60	21.5	
<b>BATTERY</b>	Number	16/18/20 (12/14 optional)		16/18/20	
	Type	VRLA, Sealed maintenance free lead acid			
	Recharge Time (to 90%)	4 hours			
	Charger (16/18/20 model)	2-step (CCCV), 1.7A (max.)			
	Internal batteries	--	20x 5Ah	--	
	Battery Bank	Code	C20X3U00	--	C20X3U00
		Max quantities	20		
Dimension (WxHxD, mm)		440x132x685	440x88x685	440x132x685	
<b>DISPLAY</b>	Status on LED + LCD	Line mode, backup mode, ECO mode, bypass supply, battery low, battery bad/disconnect, overload UPS fault			
	Readings on LCD	Input voltage, input frequency, output voltage, output current, output frequency, load percentage, battery voltage, inner temperature, backup time estimation			
	Self-Diagnostics	Upon power-on, manual control by panel & communication, self routine check			
<b>ALARM</b>	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault			
<b>PROTECTION</b>	Full Protection	Overload, Over temperature, short circuit, overcharge			
<b>FUNCTION</b>	Multi-Mode	Normal/ECO/Frequency converter			
	DC start	Yes			
	Parallel capacity	Up to 4 units			
	Parallel redundancy	3+1			
<b>ENVIRONMENT</b>	Operation Temperature	0~40°C			
	Operation Humidity	0%~90% (without condensing)			
	Altitude	1000m without derating			
	Noise Level	< 60dBA @ 1 meter			
<b>INTERFACE</b>	Standard	USB, EPO/ROO			
	Option	RS232, RS485, Dry contact card, SNMP/WEB card, 2nd RS232 card			
	Compatible Platforms	Microsoft Windows series, Linux, Mac			
<b>STANDARDS &amp; CERTIFICATIONS</b>	Safety & EMC	IEC EN 620401, IEC EN62040-2			
	Performance	IEC EN 62040B			
	Marks	CE			

Specifications subject to change without notice

\* Depending on load percentage

\*\* Depending on number of batteries