



USV
UNINTERRUPTIBLE
POWER SUPPLY

TAURUS Series Three-Phase On-Line UPS 10kVA ~ 80kVA

HIGHLIGHTS

- 3 Level Technology
- High Efficiency, On-line Mode Efficiency 95%
- High Input Power Factor >99%
- Low Input Harmonic, THDi% <3%
- High Output Power Factor 1.0
- Common Battery Used for Parallel Redundant System
- Advanced Operation Interface – Colorful LCD Touch Screen
- Power Scalable and Parallel Redundancy
- Genset com features



SPECIFICATIONS

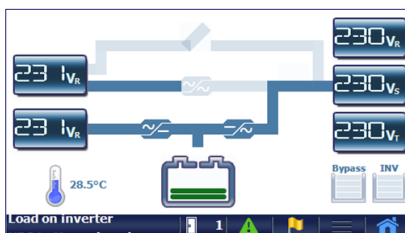
Capacity	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA	80kVA	
INPUT							
Voltage	400V 3 Phase + N						
Voltage Tolerance	±20% @100% load, -40% ~ -20% @50% load						
Frequency	40 ~ 70Hz						
Power Factor	≥ 0.99						
THDi	<3%						
OUTPUT							
Voltage	380/400/415V 3 Phase + N						
Voltage Tolerance	±1% (Static Load)						
Frequency	50/60Hz						
Frequency Tolerance	±0.01% (free running)						
Power Factor	1						
Crest Factor	3:1						
Voltage Harmonic Distortion	≤1% with linear load; ≤3% with distorting load						
Overload	<110% Continuously, 110% for 60 minutes, 125% for 10 minutes, 150% for 1minutes						
Parallel	Up to 6 units						
BYPASS							
Voltage	380/400/415V 3 Phase + N						
Voltage Tolerance	Preventive range ±10% (Adjustable ±5% ~ ±15%)						
Frequency	50/60Hz						
Frequency Tolerance	±1Hz / ±3Hz (Selectable)						
BATTERY							
Number of batteries	12V, 32/34/36/38/40pcs configurable						
Charging Current	100% Load	3.5A	7A	10A	13A	20A	26A
	80% Load	7A	14A ⁽¹⁾	20A ⁽¹⁾	26A ⁽¹⁾	40A ⁽¹⁾	52A ⁽¹⁾
Common Battery for Parallel Configuration	Yes						
MAXIMUM EFFICIENCY							
VFI Mode	> 94%			> 95%			
ECO Mode				> 98%			
Backup Mode	> 93%			> 94%			
HMI & COMMUNICATION							
Display and MMI	4.3" Colorful LCD Touch Screen						
Built-in Communication Port	RS-232, USB, EPO, Dry Contacts						
Optional Communication	2 Communication Slots for SNMP Card, RS-485 MODBUS Card, Dry Contact Card						
MECHANICAL CHARACTERISTICS							
Dimensions (W x D x H) mm	440 x 860 x 1390 (Wheel type)				600 x 827 x 1253 (w/o wheels) 600 x 827 x 1345 (with wheels)		
Weight	84 kg	86 kg	130 kg	132 kg	194 kg (w/o wheel) 200 kg (Wheel type)	204 kg (w/o wheel) 210 kg (Wheel type)	
Protection Grade	IP20						
ENVIRONMENT							
Operation Temperature	0~40°C						
Operation Humidity	0~95% (w/o condensation)						
Tested to standards	LVD: EN62040-1, EMC requirements: EN62040-2						
Mark	CE						
Noise (at 1 meter)	< 52dB		< 56dB		< 60dB		

⁽¹⁾ To increase the charging current please refer to your sales contact

* Specifications subject to change without notice.

** Depending on the model and voltage, please contact **USV Kft.** for more information.

Schematic View



Measurements

Output					
	R	S	T	Total	
Load Rate(%)	66	43	21		
Voltage(V)	229.5	229.7	229.9		
Current(A)	57.3	37.9	18.7		
Power(KW)	13.2	8.7	4.3	26.2	
Power(KVA)	13.1	8.7	4.2	26	
Power Factor	1	1	1		
	R-S	S-T	T-R		
Voltage(V)	400.1	398	395.7		
Frequency(Hz)	59.9				

Parameter

Battery	Independent / Common: Ind.
Total cell number:	240 cell
Capacity:	42 AH
Voltage temp. compensation:	No
Detect the batt. connecting:	Yes

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