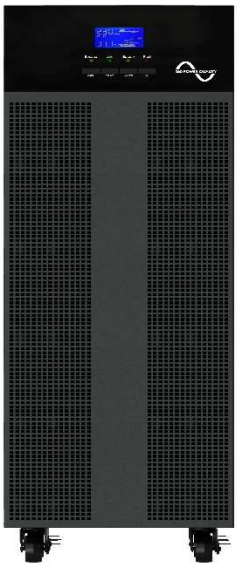
1P 5.2-10KVA FEATURES

TITANIUM SERIES UPS

(5.2-10kVA)

360 POWER QUALITY



True On-line Double Conversion Titanium Series UPS Series integrates DSP technology and a unique isolation transformer design to easily adapt to complicated loads. Small datacenters, Medical Lab equipment, light industrial facilities all require rugged UPS systems like the Titanium Series.

Engineered to support demanding applications

- **Available sizes**
  5.2kVA, 6kVA, 8kVA and 10kVA models available

- **Variable Voltages (Input/Output)**
  Variable voltages are available for the input (208/220/230/240VAC) and for the output (120/208/220/230/240VAC)

- **High Voltage Units**
  The Titanium Series UPS systems will have high voltage units (5.2/6/8/10kVA)

- **Isolated Transformer**
  All Titanium UPS units include an internal isolation transformer. This rugged design ensured low Common Mode noise (>0.5V), and low Normal Mode noise (>10V) neutral to ground when tested to ANSI/IEEE C62.41

- **Conformal Coated Boards**
  Conformal coated boards allow for the Titanium Series to be used in "Light Industrial" applications. Boards that are conformal coated include the Main PCB, Comm., Charger and Control board.

- **In-rush Capabilities**
  The Titanium Series UPS systems include a high in-rush capability. Supporting an overload for 130% for one second. This will allow the user to properly size their UPS system.

- **Customized Back Panels**
  Back panels are "customized" per customer. Allows for specific designs to ensure all power requirements are supported.

- **Extended Battery Cabinets**
  Extended battery cabinets are optional. Allows user to have extended runtimes dependent on requirement.

- **External Maintenance Bypass Systems**
  External Maintenance Bypass Systems (MBS) are available in two types. Isolated and non-isolated version. Consult Factory for recommendations.

- **Warranty**
  Two (2) year warranty on the electronics, one (1) year warranty on the batteries.
  For additional warranty options please call factory.

Specifications:

MODEL		5.2kVA(H)	6kVA(H)	8kVA(H)	10kVA(H)	
CAPACITY*		5.2kVA / 5.2kW	6kVA / 6kW	8kVA / 8kW	10kVA / 10kW	
INPUT						
Nominal Voltage/ Range		208 /220 /230 / 240 VAC / +28% / -15% @ full load				
Frequency Range		46Hz ~ 54 Hz @ 50Hz system, 56Hz ~ 64 Hz @ 60Hz system				
Phase		1 Phase with Neutral				
Power Factor		≧ 0.99 at 100% Load				
OUTPUT						
Phase		1 Phase with Neutral				
Output Voltage		104 /110 / 115 / 120 / 208 /220 / 230 / 240				
AC Voltage Regulation		± 1% (Normal)				
Frequency Range (Sync Range)		46Hz ~ 54 Hz @ 50Hz system, 56Hz ~ 64 Hz @ 60Hz system, (Batt Mode) +/- 0.1% Hz				
Overload	AC Mode/	100%~110%: 1 hour; 110%~130%: 1min; >130% : 1sec				
	Battery Mode	100%~110%: 30sec; 110%~130%: 10sec; >130% : 1sec				
Current Crest Ratio		3:1 max				
Voltage THD		≦ 2 % @ 100% Linear Load; ≦ 4 % @ 100% Non-linear Load (PF≥0.8)				
Step Load Response		+/- 4% 50% step load, +/-6% 100% step load, Return +/-3% of nominal (11 cycles)				
Common Mode Noise		< 0.5 VRMS				
Normal Mode Noise		< 10% V				
EFFICIENCY						
AC Mode		90%				
Battery Mode		88%				
ECO Mode		97%				
BATTERY						
Voltage (VDC)		240, Nominal, 270 Float				
Battery Backup Time (Internal – 100% Load)		5.2kVA = 8 min., 6kVA = 7 min., 8kVA = 4 min., 10kVA = 2 min.				
Quantity		20				
Recharge Time		7 hours to 90%				
PHYSICAL						
Standard Model	Dimension, W x D x H (In.)	9.8" x 28.2" x 32.5"	9.8" x 28.2" x 32.5"		9.8" x 28.2" x 32.5"	
	Net Weight (lbs)	266	266	301	301	
BYPASS						
Input Voltage		110 ~276 VAC				
Output Voltage		110 ~ 276 VAC				
Transformer Voltage Regulation		+/- 3%				
Overload Conditions		Continuous below 130%, 1 minute at 130%, 1 cycle at 1000%				
ENVIRONMENT						
Operation Temperature		0 ~ 40°C (the battery life will down when > 25°C)				
Operation Humidity		<95 % and non-condensing				
Operation Altitude		2000 ft.				
Heat Dissipation (BTU/Hr)		1970	2530	3372	4215	
Acoustic Noise Level (Front of Unit)		55-60dB @ 1 Meter	60dB @ 1 Meter	60dB @ 1 Meter	60dB @ 1 Meter	
MANAGEMENT						
Smart RS-232 or USB		Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux, Unix, and MAC				
Optional SNMP		Power management from SNMP manager and web browser				
MODBUS Card		Power Management with MODBUS communication				
AGENCIES						
RoHS		All units are RoHS compliant				
Safety Agencies		UL1778 5th Edition, CSA22.2 No.107.3, IEC 62040-2:2018				
EMC		FCC Part 15J, Class A, EN 55022 Class A / CISPR 22, IEC 61000-3-2, IEC 61000-4-2, Electrostatic Discharge, IEC61000-4-3 Level 3 Radiated Electromagnetic Filed immunity. (Additional EMC Agencies listed in User's Manual).				