

# PLATINUM SERIES UPS

(1-3kVA)



*True On-line Double Conversion Platinum Series UPS Series has been designed to support and protect various applications. Ideal backup system for VoIP, PBX systems, Telecom systems, small data centers and advanced control systems.*

## Engineered to support demanding applications

- **Available sizes**  
1kVA, 1.5kVA, 2kVA and 3kVA units available
- **Variable Voltages (Input/Output)**  
Variable voltages are available for the input (120/208/220/230/240VAC) and for the output (120/208/220/230/240VAC)
- **Low Voltage and High Voltage Units**  
The Platinum Series UPS systems will have low voltage units (1,1.5/2/3kVA), and high voltage units (2/3kVA)
- **Tower or Rack Configurations**  
These units are designed for 19" rack applications, and/or Tower (less footprint).
- **Conformal Coated Boards**  
Conformal coated boards allow for the Platinum Series to be used in "Light Industrial" applications. Boards that are conformal coated include the Main PCB, Comm., Charger and Control boards
- **Internal Batteries**  
All units include internal batteries. @ 3.5 minutes (at full load).
- **Extended Battery Cabinets**  
All units are supported with additional battery backup by using the extended battery cabinets.
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Extended battery cabinets are optional. Allows user to have extended runtimes dependent on requirement.
- **Communication Cards**  
Available Communication Cards include the following:
  - Standard SNMP Protocol
  - MODBUS Communication
  - WiFi Communication
- **Warranty**  
Two (2) year warranty on the electronics, one (1) year warranty on the batteries.  
For additional warranty options please call factory.
- **Agency Standards**  
All units are UL, cUL and CE marked

# Specifications:

MODEL	1kVA(L)	1.5kVA(L)	2kVA(L)	2kVA(H)	3kVA (H)	
<b>CAPACITY*</b>	1kVA / 1kW	1.5kVA / 1.5kW	2kVA / 2kW	2kVA / 2kW	3kVA / 3kW	
<b>INPUT</b>						
Input Voltage Nominal Range	100-120VAC, 90-150VAC, (Low Voltage Units), 200-240VAC, 180-300VAC (High Voltage Units)					
Frequency Range	40/70 Hz +/-4%, (Auto sense on startup)					
Topology	True Online Double Conversion					
Input Current THD	<9.0%					
Power Factor	≥ 0.95 at 100% Load					
<b>OUTPUT</b>						
Phase	1 Phase					
Output Voltage / Low-High	(L) 100/110/115/120, (H) 200/208 /220 / 230 / 240, NOTE: (L) 120VAC Default, (H) 208V Default					
AC Voltage Regulation	± 1% (Normal)					
Frequency Range (Sync Range)	46Hz ~ 54 Hz @ 50Hz system, 57Hz ~ 63 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)					
<b>EFFICIENCY</b>						
AC Mode	>89% @ fully charged batteries (1-1.5kVA)		>91% @ fully charged batteries (2-3kVA)			
<b>BATTERY</b>						
Voltage (VDC)	27.4VDC +/-1%,	41VDC +/-1%	54.7VDC +/-1%	82.1VDC +/-1%		
Battery Backup Time	@ 3.5 minutes at full load					
Charger Current	Default: 2A, Max: 8A adjustable					
Recharge Time	3 hours recovery to 95% capacity for internal battery @ 2A charging current					
<b>PHYSICAL</b>						
Standard Model	Dimension, W x D x H (In.)	17.3" x 16.2" x 3.4"	17.3" x 16.2" x 3.4"	17.3" x 24.8" x 3.4"	17.3" x 24.8" x 3.4"	17.3" x 24.8" x 3.4"
	Net Weight (lbs)	25.6 lbs	34.2 lbs	43 lbs	43 lbs	61.3 lbs
<b>BYPASS</b>						
Overload Conditions	Continuous below 130%, 1 minute at 130%, 1 cycle at 1000%					
<b>ENVIRONMENT</b>						
Operation Temperature	0 ~ 40°C					
Operation Humidity	<95 % and non-condensing					
Operation Altitude	2000 ft.					
Heat Dissipation (BTU/Hr)	520	877	1171	1000	1500	
Acoustic Noise Level (Front of Unit)	Less than 50dBA @ 1 Meter	Less than 50dBA @ 1 Meter	Less than 50dBA @ 1 Meter	Less than 50% dBA @ 1 Meter	Less than 50dBA @ 1 Meter	
<b>MANAGEMENT</b>						
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					
<b>AGENCIES</b>						
RoHS	All units are RoHS compliant					
Safety Agencies	UL1778 5 <sup>th</sup> Edition, CSA22.2 No.107.3					
EMC	FCC Part 15J, Class A, IEC 61000-4-2, Electrostatic Discharge, IEC61000-4-3 Level 3 Radiated Electromagnetic Filed immunity. (Additional EMC Agencies listed in User's Manual).					

