



ALLEGIANT Series

Three Phase, On-line, Double Conversion

50kVA - 200kVA

36-Month Warranty Guarantee

ORE POWER SOLUTIONS

Three Phase 10 - 60kVA

ALLEGIANT Series

Three Phase, Double Conversion

SYSTEM HIGHLIGHTS

Up to 99% Efficient

- Lower energy costs and carbon footprint

Compact & Reliable

- Requires either front, top or bottom access, so it can be placed against a wall to minimize footprint
- Cooler operation extends internal component life

AC Input Performance

- High input power factor of 0.99
- Low input current distortion of $\leq 3\%$
- Power walk-in function that ensures progressive rectifier start-up

3 Level IGBT Switching and Digital Signal Processor (DSP)

- Reduces the impact of the UPS on the local supply
- Simplifies installation where there is limited power capacity in the form of available electrical supply rating or generator size

Single or Dual Input Configuration

- Main power and secondary emergency standby power increase resilience of single or parallel system configuration

High Performance Input Filtering

- Protects upstream power supply sources from harmonics and reactive power generated by the loads power

Menu Select Display

- User friendly display is easy to see and intuitive to use

Parallel up to 8 Units

- Provides redundancy for mission critical applications with no additional hardware

Seismic Certified

- Equipped with proper anchorage for seismic applications; Seismic certificates available upon request



OUR WARRANTY

ORE Power is proud to offer a **36-month** warranty on our ALLEGIANT series. The warranty begins when the unit is first energized.

*Certain guidelines must be met in order to qualify for warranty on a three phase units.
Visit www.orepowersolutions.com/register for more information

Beyond Our Equipment

ORE Power Solutions partners with a network of highly trained and motivated customer support engineers and technicians who can provide professional services and care throughout the life of your equipment. **Services include: Start-Ups, Preventative Maintenance, Spare Parts, Battery Maintenance, On-Site Training, Time & Material Services & more!**

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Electrical Data	UPS Power (kVA / kW)						
	50 / 50	65 / 65	80 / 80	100 / 100	125 / 125	160/160	200/200
INPUT							
Nominal voltage	480VAC 3 phase, 3-Wire + Grd.						
Nominal voltage range	-30%, +15%						
Input frequency range	From 45 to 65Hz						
Nominal input current	63	81	100	125	156	200	250
Maximum input current	73	94	112	145	181	224	280
Power factor at nominal voltage (480 V) and battery charged from 25% to 100% of the load	> 0.99						
Reflected Current Harmonic distortion (THDi) at 100% load	≤ 3%						
Rectifier Walk-in	from 0 to 125 seconds (configurable)						
Rectifier Walk-in Delay	from 0 to 600 seconds (configurable)						
D.C. INTERMEDIATE CIRCUIT							
Number of cells	240						
INVERTER							
Static variation	± 1%						
Dynamic variation	± 5%						
Crest Factor	3:1						
Voltage distortion with linear load	≤ 1%						
Voltage distortion with non-linear load	< 3%						
Frequency stability with synchronized inverter to the by-pass network.	± 2% (± 1% to ± 6% from control panel)						
Frequency stability with not synchronized inverter to the by-pass line	± 0.1Hz						
Speed of frequency variation	1Hz/sec (parallel units can be calibrated from 0.1 to 1Hz/s)						
Phase voltage asymmetry with balanced and unbalanced load.	≤ 1%						
Phase displacement of the voltages with balanced and unbalanced loads.	120 ± 1 °el						
Overload in referred to the nominal power	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute						
Inverter efficiency	≥ 96%						
BY-PASS							
Nominal voltage	480VAC 3-phase (without neutral)						
Nominal voltage tolerance	± 10% (up to ± 20% Programmable)						
Nominal frequency	50/60 Hz						
Frequency tolerance	± 5% Nominal (up to ± 10% Programmable)						
SYSTEM							
AC/AC efficiency at full load	≥ 96%						
Efficiency with UPS in STAND-BY mode	up to 99 %						
Full Load Heat Rejection BTU/hr	7,000	9,100	10,350	13,058	17,055	21,000	26,300
MECHANICAL							
Height x Width x Depth – inches (mm)							
UPS	70.98 x 27.65 x 32.07 [1803 x 702.4 x 814.6]					70.98 x 31.59 x 32.07 [1803 x 802.4 x 814.6]	
UPS with side car	70.98 x 43.58 x 32.24 [1803 x 1107 x 819]					70.98 x 47.52 x 32.24 [1803 x 1206.9 x 819]	
Weight – lbs. / [kg]							
UPS	991 / [450]					1268 / [575]	
UPS with side car	Minimum 1141 / [518] Maximum 1281 / [581]					Minimum 1438 / [652] Maximum 1578 / [716]	
Freestanding NEMA 1 enclosure, powder coat painted black color with textured finish, bottom access for conduit entries							
ENVIRONMENTAL							
Ambient temperature	-5° C to 40° C						
Storage temperature	-25° C to 55° C						
Relative Humidity	0 - 95% non-condensing						
Altitude	< 2000 meters Derate load capability above 1000 meters 1% per 100 meters						
Audible Noise	≤ 69 dBA						
COMMUNICATIONS							
SNMP/WEB (Standard)	SNMP Card with NetAgent Software						
Modbus (Standard)	Monitoring via RS-485/RTU Protocol/Read Holding						
BACnet (Optional)	TCIP & RS485						
SNMP/WEB WiFi or Cellular (Optional)	SNMP Card with NetAgent Software						
Modbus WiFi or Cellular (Optional)	Monitoring Protocol/Read Holding						
BACnet WiFi or Cellular (Optional)	TCIP						

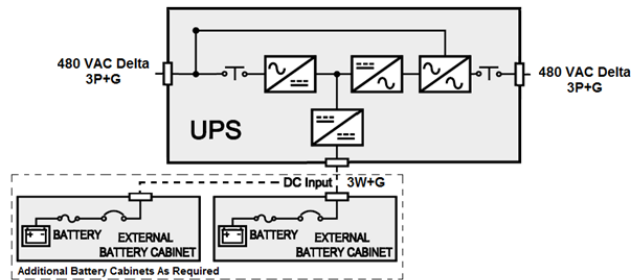
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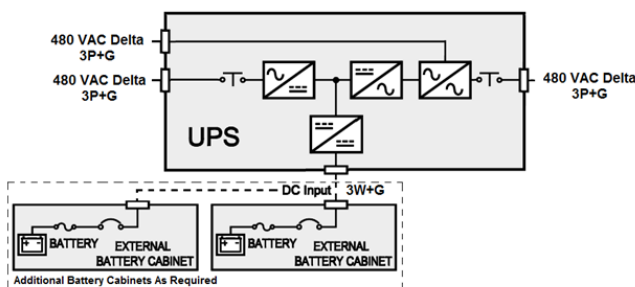
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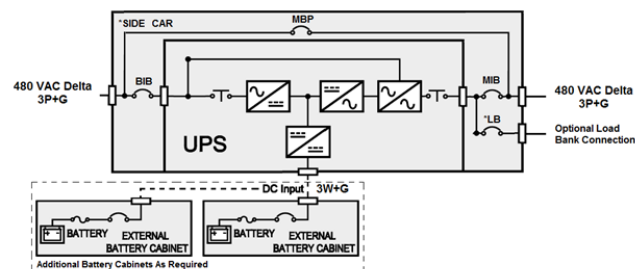
ALL-XXX-01 Standard UPS - Single Input Unit



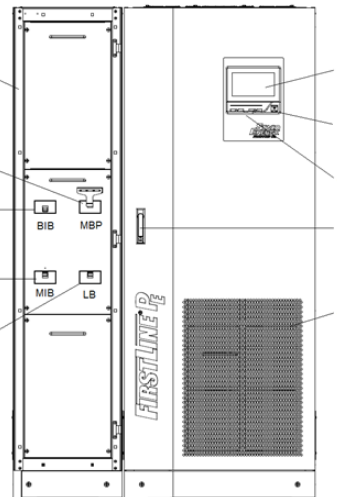
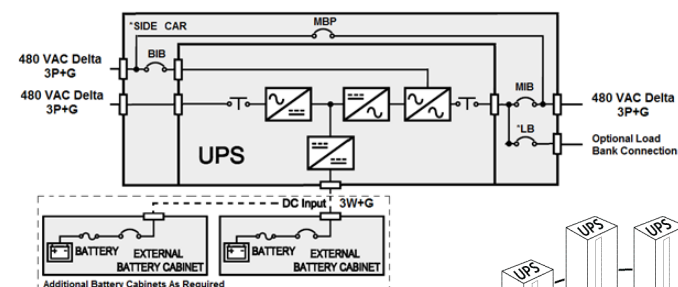
ALL-XXX-01 Standard UPS - Dual Input Unit



ALL-XXX-03 or Higher - Single Input with Optional Side Car



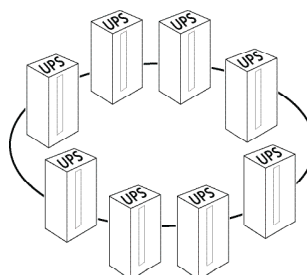
ALL-XXX-03 or Higher - Dual Input with Side Car



- 1 Touch Screen Color Display
- 2 EPO Switch
- 3 Dual Action & Redundant ON & OFF Switch
 - a Secured Against Incidental Touch
- 4 Key Access Door Handle
- 5 Filtered Ventilation
- 6 Optional Side Car – Shown with door open. Door is lockable.
 - a Empty for Top Cable Entry Only
 - b With 3 Breaker MBP (UL1778)
 - c With 3 Breaker MBP & LB Breaker (UL1778)
 - d With b. or c. plus SKRU
- 7 MBP Breaker with HASP
- 8 BIB Bypass Input Breaker
- 9 MIB – Maintenance Isolation Breaker
- 10 Load Bank Breaker

Standards

- Underwriters Laboratories, Listed to UL1778 (Designed to 60950); c-UL to CSA C22.2
- NEMA PE-1
- ASME
- ASA-C-39.1-1984
- FCC PT 15, Subpart J, Class B
- National Electrical Code
- IEEE 587 ANSI C 62.41-1980
- ISO 9001
- IBC (International Building Code) Ratings A-F, Site Specific



ALLEGIANT
Up to Eight Units in Parallel





GET IN TOUCH

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