

Site Planning Guide VANGUARD XL 80,100, 135, 160 and 200kVA 3-phase 480 VAC Delta UPS only

80-100-135-160-200kVA UPS 480 3-phase Delta UPS (Vanguard XL)					
Rated Power kVA/kW	80.0	100.0	135.0	160.0	200.0
UPS INPUT REQUIREMENTS					
Rated Voltage (3-phase Delta)	480 Delta				
Input connection	3-phase, 3W + G				
Maximum Input current Per phase (amps)	117	145	196	233	290
Minimum input conductor size (Awg)	1/0	2/0	4/0	300 kcmil	350 kcmil
Recommended Input external over-current protection (amps)	150	175	250	300	350
UPS OUTPUT REQUIREMENTS					
Rated Voltage (3-phase Delta)	480				
Output connection	3-phase, 3W + G				
Rated output current Nominal	96	120	163	190	241
Minimum output conductor size (Awg)	2	1/0	3/0	4/0	300 kcmil
Recommended output external over-current protection	125	150	200	250	300
Mechanical rating information (UPS only)					
Unit dimensions H x W x D (Inches)	78.74 x 23.62 x 39.37				
Unit Weight (lbs)	600	600	700	700	700
Floor loading lbs./Sq. in	150	150	175	175	175
B.T.U./Hr.	10,900	13,650	18,400	21,800	27,300
Input output terminal size	Bolt on	Bolt on	Bolt on	Bolt on	Bolt on

1. Follow all local and national electrical codes when wiring the UPS and consult local authorities for variations to the electrical codes as required.
2. Reference the UPS user manual for information regarding UPS clearance.
3. UPS DC voltage 480 V DC Nominal
4. Input and output conductors must be run in separate conduits.
5. Reference NEC 210-20 regarding recommended output overcurrent protection.
6. All control and power wires must be run in separate conduit.
7. Conductor size based on copper conductor 90 degree C rated. (If using mechanical lugs, wires 90 degree C must be sized as if using 75 degree C wire)
8. The information regarding overcurrent protection and wire size for reference only. User to consult with its own engineering before implementing.