Site Planning Guide VANGUARD LT 10, 20, 30 and 40kVA 3-phase 208 VAC wye UPS

10-15-20-30-40 kVA UPS 208 3-phase Wye UPS (Vanguard)				
Rated Power kVA/kW	10.0	20.0	30.0	40.0
UPS INPUT REQUIREMENTS				
Rated Voltage (3-phase Wye)	208/120			
Input connection	3-phase, 4W + G			
Maximum Input current Per phase (amps)	33	66	108	142
Minimum input conductor size (Awg)	8	4	1	2/0
Recommended Input external over-current protection (amps)	63	80	125	225
UPS OUTPUT REQUIREMENTS				
Rated Voltage (3-phase Wye)	208/120			
Output connection	3-phase, 4W + G			
Rated output current Nominal	27	56	83	111
Minimum output conductor size (Awg)	8	4	3	1
Recommended output external over-current protection	63	80	125	225
Mechanical rating information (UPS only)				
Unit dimensions W x D x H (Inches)	15.75 x 36.0 x 33.2	15.75 x 36.0 x 33.2	19.7 x 37.4 x 51.2	19.7 x 37.4x 51.2
Unit Weight (lbs)	683 (WITH 80 BTTS)	683 (WITH 80 BTTS)	1,386 (WITH 160 BTTS)	1,386 (WITH 160 BTTS)
Floor loading lbs./Sq. in	171	171	347	347
B.T.U./Hr.	2,400	4,800	7,200	9,600
Input output terminal size	M6/43.4 in-lb TQ	M6/43.4in-lb TQ	M10/177 in-lb TQ	M10/177 in-lb TQ

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 240 V DC with neutral (120 + 120).
4. For ideal power quality performance input and output conductors should 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.
8. The information regarding overcurrent protection and wire size for reference only. User to consult with its own engineering before implementing.