

Site Planning Guide VANGUARD 10,15, 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	15.0	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)	33.8	50.2	67.2	100.8	134.0
Minimum input conductor size (Awg)	10	8	6	1/0	2/0
Recommended Input external over-current protection (amps)	40	60	80	115	150
UPS OUTPUT REQUIREMENTS					
Rated Voltage (3-phase Wye)	208/120				
Output connection	3-phase, 4W + G				
Rated output current Nominal	28	42	56	83	111
Minimum output conductor size (Awg)	10	8	6	3	2
Recommended output external over-current protection	35	60	70	100	125
Mechanical rating information (UPS only)					
Unit dimensions W x D x H (Inches)	10.2 x 33.5 x 35	16.1 x 33.5 x 38.7	16.1 x 33.5 x 38.7	16.1 x 33.5 x 49.5	16.1 x 33.5 x 49.5
Unit Weight (lbs)	183	232	254	342	353
Floor loading lbs./Sq. in	31	20	22	29	30
B.T.U./Hr.	2,230	3,100	3,760	5,530	7,370
Input output terminal size	M5/22.1 in-lb TQ	M6/22.1 in-lb TQ	M6/22.1 in-lb TQ	M10/53.1 in-lb TQ	M10/53.1 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.