

Staco E3 Precision Power Conditioner Product Technical Data Specification

Staco E3 - 5.0kVA Model Specifications are listed below. Bypass Input (Dual Input) is a selectable option.

Rectifier Input - 5.0kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	19	WYE (3W+N+E)	12AWG
208Δ	20	DELTA (3W+E)	12AWG
220/127Y	18	WYE (3W+N+E)	12AWG
230/133Y	17	WYE (3W+N+E)	12AWG
240Δ	17	DELTA (3W+E)	12AWG
480/277Y	8	WYE (3W+N+E)	14AWG
480Δ	8	DELTA (3W+E)	14AWG
575/332Y	7	WYE (3W+N+E)	14AWG
600/347Y	7	WYE (3W+N+E)	14AWG
600Δ	7	DELTA (3W+E)	14AWG

Bypass Input (Dual Input) - 5.0kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	14	WYE (3W+N+E)	14AWG
208Δ	14	DELTA (3W+E)	14AWG
220/127Y	13	WYE (3W+N+E)	14AWG
230/133Y	13	WYE (3W+N+E)	14AWG
240Δ	12	DELTA (3W+E)	14AWG
480/277Y	6	WYE (3W+N+E)	14AWG
480Δ	6	DELTA (3W+E)	14AWG
575/332Y	5	WYE (3W+N+E)	14AWG
600/347Y	5	WYE (3W+N+E)	14AWG
600Δ	5	DELTA (3W+E)	14AWG

1: Based on 75°C copper wire.

2: Recommended cable sized based on THW cables at 30°C ambient (NEC Table 310.16). If different cables are used or installed at higher ambient, the cable size need to be reviewed

Output - 5.0kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	14	WYE (3W+N+E)	14AWG
208Δ	14	DELTA (3W+E)	14AWG
220/127Y	13	WYE (3W+N+E)	14AWG
230/133Y	13	WYE (3W+N+E)	14AWG
240Δ	12	DELTA (3W+E)	14AWG
480/277Y	6	WYE (3W+N+E)	14AWG
480Δ	6	DELTA (3W+E)	14AWG
575/332Y	5	WYE (3W+N+E)	14AWG
600/347Y	5	WYE (3W+N+E)	14AWG
600Δ	5	DELTA (3W+E)	14AWG

1: Based on 75°C copper wire.

2: Recommended cable sized based on THW cables at 30°C ambient (NEC Table 310.16). If different cables are used or installed at higher ambient, the cable size need to be reviewed.

Staco E3 Transformer, Battery, Weights, & BTU Details					
Power (kVA)	Input transformer	Output Transformer	Maximum Weight	BTU/hr	Notes
5.0	No	No	628	1500	1
	No	Yes	908	1900	1
	Yes	No	908	1900	1
	Yes	Yes	1188	2400	1

1. All Weights are in pounds. Additional options may increase weight.