

Staco E3 Precision Power Conditioner Product Technical Data Specification

Staco E3 - 10kVA Model Specifications are listed below. Bypass Input (Dual Input) is a selectable option.

Rectifier Input - 10kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	39	WYE (3W+N+E)	8AWG
208Δ	40	DELTA (3W+E)	8AWG
220/127Y	37	WYE (3W+N+E)	8AWG
230/133Y	36	WYE (3W+N+E)	8AWG
240Δ	35	DELTA (3W+E)	8AWG
480/277Y	17	WYE (3W+N+E)	12AWG
480Δ	17	DELTA (3W+E)	12AWG
575/332Y	14	WYE (3W+N+E)	14AWG
600/347Y	14	WYE (3W+N+E)	14AWG
600Δ	14	DELTA (3W+E)	14AWG

Bypass Input (Dual Input) - 10kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	28	WYE (3W+N+E)	10AWG
208Δ	29	DELTA (3W+E)	8AWG
220/127Y	26	WYE (3W+N+E)	10AWG
230/133Y	26	WYE (3W+N+E)	10AWG
240Δ	25	DELTA (3W+E)	10AWG
480/277Y	12	WYE (3W+N+E)	14AWG
480Δ	12	DELTA (3W+E)	14AWG
575/332Y	10	WYE (3W+N+E)	14AWG
600/347Y	10	WYE (3W+N+E)	14AWG
600Δ	10	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 - 10kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	28	WYE (3W+N+E)	8AWG
208Δ	29	DELTA (3W+E)	8AWG
220/127Y	26	WYE (3W+N+E)	8AWG
230/133Y	26	WYE (3W+N+E)	8AWG
240Δ	25	DELTA (3W+E)	8AWG
480/277Y	12	WYE (3W+N+E)	12AWG
480Δ	12	DELTA (3W+E)	12AWG
575/332Y	10	WYE (3W+N+E)	14AWG
600/347Y	10	WYE (3W+N+E)	14AWG
600Δ	10	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
10	No	No	628	3900	1
	No	Yes	908	4900	1
	Yes	No	908	4900	1
	Yes	Yes	1188	5900	1

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