

Staco E3 Precision Power Conditioner Product Technical Data Specification

Staco E3 - 20kVA Model Specifications are listed below. Bypass Input (Dual Input) is a selectable option.

Rectifier Input - 20kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	78	WYE (3W+N+E)	3AWG
208Δ	80	DELTA (3W+E)	3AWG
220/127Y	74	WYE (3W+N+E)	3AWG
230/133Y	72	WYE (3W+N+E)	3AWG
240Δ	69	DELTA (3W+E)	3AWG
480/277Y	34	WYE (3W+N+E)	8AWG
480Δ	35	DELTA (3W+E)	8AWG
575/332Y	29	WYE (3W+N+E)	8AWG
600/347Y	27	WYE (3W+N+E)	10AWG
600Δ	28	DELTA (3W+E)	10AWG

Bypass Input (Dual Input) - 20kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	56	WYE (3W+N+E)	4AWG
208Δ	57	DELTA (3W+E)	4AWG
220/127Y	53	WYE (3W+N+E)	4AWG
230/133Y	51	WYE (3W+N+E)	6AWG
240Δ	49	DELTA (3W+E)	6AWG
480/277Y	24	WYE (3W+N+E)	10AWG
480Δ	25	DELTA (3W+E)	10AWG
575/332Y	20	WYE (3W+N+E)	10AWG
600/347Y	20	WYE (3W+N+E)	12AWG
600Δ	20	DELTA (3W+E)	12AWG

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 - 20kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	56	WYE (3W+N+E)	4AWG
208Δ	57	DELTA (3W+E)	4AWG
220/127Y	53	WYE (3W+N+E)	4AWG
230/133Y	51	WYE (3W+N+E)	6AWG
240Δ	49	DELTA (3W+E)	6AWG
480/277Y	24	WYE (3W+N+E)	10AWG
480Δ	25	DELTA (3W+E)	10AWG
575/332Y	20	WYE (3W+N+E)	10AWG
600/347Y	20	WYE (3W+N+E)	12AWG
600Δ	20	DELTA (3W+E)	12AWG

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
20	No	No	628	7700	1
	No	Yes	908	9700	1
	Yes	No	908	9700	1
	Yes	Yes	1258	11700	1

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