

Staco E3 Precision Power Conditioner Product Technical Data Specification

Staco E3 - 40kVA Model Specifications are listed below. Bypass Input (Dual Input) is a selectable option.

Rectifier Input - 40kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	156	WYE (3W+N+E)	3/0
208Δ	160	DELTA (3W+E)	3/0
220/127Y	147	WYE (3W+N+E)	3/0
230/133Y	143	WYE (3W+N+E)	3/0
240Δ	139	DELTA (3W+E)	2/0
480/277Y	69	WYE (3W+N+E)	3AWG
480Δ	69	DELTA (3W+E)	3AWG
575/332Y	57	WYE (3W+N+E)	4AWG
600/347Y	55	WYE (3W+N+E)	4AWG
600Δ	55	DELTA (3W+E)	4AWG

Bypass Input (Dual Input) - 40kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	111	WYE (3W+N+E)	1/0
208Δ	114	DELTA (3W+E)	1/0
220/127Y	105	WYE (3W+N+E)	1/0
230/133Y	102	WYE (3W+N+E)	1AWG
240Δ	99	DELTA (3W+E)	1AWG
480/277Y	49	WYE (3W+N+E)	6AWG
480Δ	49	DELTA (3W+E)	6AWG
575/332Y	41	WYE (3W+N+E)	6AWG
600/347Y	39	WYE (3W+N+E)	8AWG
600Δ	40	DELTA (3W+E)	8AWG

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 - 40kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	111	WYE (3W+N+E)	1/0
208Δ	114	DELTA (3W+E)	1/0
220/127Y	105	WYE (3W+N+E)	1/0
230/133Y	102	WYE (3W+N+E)	1AWG
240Δ	99	DELTA (3W+E)	1AWG
480/277Y	49	WYE (3W+N+E)	6AWG
480Δ	49	DELTA (3W+E)	6AWG
575/332Y	41	WYE (3W+N+E)	6AWG
600/347Y	39	WYE (3W+N+E)	8AWG
600Δ	40	DELTA (3W+E)	8AWG

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
40	No	No	628	15400	1
	No	Yes	1028	19300	1
	Yes	No	1108	19300	1
	Yes	Yes	1508	23300	1

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