

Staco E3 UL924 Technical Data Specification

Staco E3 – 5.0kVA Model Specifications are listed below. Bypass Input (Dual Input) is a selectable option. Battery Supply remains the same for all input/output voltage combinations.

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

3: Any external battery wires use reinforced insulation or double insulated wire.

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

Battery Supply - 5.0kVA Model		
Nominal Vdc	Max Amperes DC	Recommended Cables ^{1, 2, 3}
240	27	10AWG

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

3: Any external battery wires use reinforced insulation or double insulated wire.

Staco E3 Transformer, Battery, Weights, & BTU Details						
Power (kVA)	Input transformer	Output Transformer	Internal Battery	Max System Weight	BTU/hr	Notes
5	No	No	None	1716	1500	1,3
	No	No	(3) 90W/23Ah	2206	1500	1,2
	No	Yes	None	1996	1900	1,3
	Yes	No	None	1996	1900	1,3
	Yes	Yes	None	2276	2400	1,3

1. For 208/120V input & Output system only

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

3. Weights includes external battery cabinet.