

Staco E3 UL924 Technical Data Specification

Staco E3 – 15kVA 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 - 15kVA Model				Bypass Input (Dual Input) - 15kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}	Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	59	WYE (3W+N+E)	4AWG	208/120Y	42	WYE (3W+N+E)	6AWG
208Δ	60	DELTA (3W+E)	4AWG	208Δ	43	DELTA (3W+E)	6AWG
220/127Y	55	WYE (3W+N+E)	4AWG	220/127Y	39	WYE (3W+N+E)	8AWG
230/133Y	54	WYE (3W+N+E)	4AWG	230/133Y	38	WYE (3W+N+E)	8AWG
240Δ	52	DELTA (3W+E)	6AWG	240Δ	37	DELTA (3W+E)	8AWG
480/277Y	26	WYE (3W+N+E)	10AWG	480/277Y	18	WYE (3W+N+E)	12AWG
480Δ	26	DELTA (3W+E)	10AWG	480Δ	19	DELTA (3W+E)	12AWG
575/332Y	22	WYE (3W+N+E)	10AWG	575/332Y	15	WYE (3W+N+E)	14AWG
600/347Y	21	WYE (3W+N+E)	10AWG	600/347Y	15	WYE (3W+N+E)	14AWG
600Δ	21	DELTA (3W+E)	10AWG	600Δ	15	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 - 15kVA Model			
Vac	Max Amperes	Configuration	Recommended Cables ^{1, 2, 3}
208/120Y	42	WYE (3W+N+E)	6AWG
208Δ	43	DELTA (3W+E)	6AWG
220/127Y	39	WYE (3W+N+E)	8AWG
230/133Y	38	WYE (3W+N+E)	8AWG
240Δ	37	DELTA (3W+E)	8AWG
480/277Y	18	WYE (3W+N+E)	12AWG
480Δ	19	DELTA (3W+E)	12AWG
575/332Y	15	WYE (3W+N+E)	14AWG
600/347Y	15	WYE (3W+N+E)	14AWG
600Δ	15	DELTA (3W+E)	14AWG

Battery Supply - 15kVA Model		
Nominal Vdc	Max Amperes DC	Recommended Cables ^{1, 2, 3}
240	84	4AWG

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
15	No	No	None	3064	5800	1,2
	No	Yes	None	3344	7300	1,2
	Yes	No	None	3344	7300	1,2
	Yes	Yes	None	3624	8800	1,2

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

2. Weights includes external battery cabinet.