

### Electrical Connections (Single Phase)

240 x 480 Volt Primary,  
120/240 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary Voltage	Interconnect	Connect Lines To
504	1 to 2	H1 & H2
492	2 to 3	H1 & H2
480	3 to 4	H1 & H2
468	4 to 5	H1 & H2
456	5 to 6	H1 & H2
444	6 to 7	H1 & H2
432	7 to 8	H1 & H2
252	H1 to 2 H2 to 1	H1 & H2
240	H1 to 4 H2 to 3	H1 & H2
228	H1 to 6 H2 to 5	H1 & H2
216	H1 to 8 H2 to 7	H1 & H2
Secondary Voltage	Interconnect	Connect Lines To
240	X2 to X3	X1 & X4
120-0-120	X2 to X3 X2 to $\perp$	X1-X2-X4
120	X1 to X3 X2 to X4	X1 & X4

**ES5 Series**

120/208/240/277 Volt Primary,  
120/240 Volt Secondary  
Taps: None

Primary Voltage	Interconnect	Connect Lines To
277	1 to 2	H1 & H2
240	3 to 4	H1 & H2
208	5 to 6	H1 & H2
120	H1 to 4 H2 to 3	H1 & H2
Secondary Voltage	Interconnect	Connect Lines To
240	X2 to X3	X1 & X4
120-0-120	X2 to X3 X2 to $\perp$	X1-X2-X4
120	X1 to X3 X2 to X4	X1 & X4

**ES12 Series**

190/200/208/220/380/400/415/440 Volt Pri.,  
110/220 Volt Secondary  
Taps: None

Primary Voltage	Interconnect	Connect Lines To
440	1 to 2	H1 & H2
415	3 to 4	H1 & H2
400	5 to 6	H1 & H2
380	7 to 8	H1 & H2
220	H1 to 2 1 to H2	H1 & H2
208	H1 to 4 3 to H2	H1 & H2
200	H1 to 6 5 to H2	H1 & H2
190	H1 to 8 7 to H2	H1 & H2
Secondary Voltage	Interconnect	Connect Lines To
220	X2 to X3	X1 & X4
110-0-110	X2 to X3 X2 to $\perp$	X1-X2-X4
110	X1 to X3 X2 to X4	X1 & X4

**ES14 Series**

600 Volt Primary,  
120/240 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary H1-H2-H3	Interconnect	Connect Lines To
630	1 to 2	H1 & H2
615	2 to 3	H1 & H2
600	3 to 4	H1 & H2
585	4 to 5	H1 & H2
570	5 to 6	H1 & H2
555	6 to 7	H1 & H2
540	7 to 8	H1 & H2
Secondary Voltage	Interconnect	Connect Lines To
240	X2 to X3	X1 & X4
120-0-120	X2 to X3 X2 to $\perp$	X1-X2-X4
120	X1 to X3 X2 to X4	X1 & X4

**ES10 Series**

Visit our website at [www.solaheviduty.com](http://www.solaheviduty.com) or contact **Technical Services** at **(800) 377-4384** with any questions.

Electrical Connections (Three Phase)

480 Δ Volt Primary,  
208Y/120 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**5**

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	208	120
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

ET2 and 3H Series

480 Δ Volt Primary,  
240 Δ W/120 CT Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**6**

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X6-X1, X6-X3
1	504	240	120
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

ET5 Series

480 Δ Volt Primary  
380/220 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**7**

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	380	220
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

ET79 Series

480 Δ Volt Primary  
480Y/277 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**8**

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	504	480	277
2	492		
3	480		
4	468		
5	456		
6	444		
7	432		

ET81 Series

208 Δ Volt Primary  
208Y/120 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**9**

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	218	208	120
2	213		
3	208		
4	203		
5	198		
6	192		
7	187		

ET3 Series

208 Δ Volt Primary  
480Y/277 Volt Secondary  
Taps: 2, 2½% FCAN; 4, 2½% FCBN

**10**

Primary X1-X2-X3		Secondary Voltage	
@ Tap	Voltage	H1-H2-H3	H0-H1, H2, H3
1	218	480	277
2	213		
3	208		
4	203		
5	198		
6	192		
7	187		

ET84 Series

Electrical Connections (Three Phase)

**11**  
 240 Δ Volt Primary  
 208Y/120 Volt Secondary  
 Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	252	208	120
2	246		
3	240		
4	234		
5	228		
6	222		
7	216		

ET6 Series

**12**  
 240 Δ Volt Primary  
 480Y/277 Volt Secondary  
 Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary X1-X2-X3		Secondary Voltage	
@ Tap	Voltage	H1, H2, H3	H0- H1, H2, H3
1	252	480	277
2	246		
3	240		
4	234		
5	228		
6	222		
7	216		

ET85 Series

**13**  
 600 Δ Volt Primary  
 208Y/120 Volt Secondary  
 Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	630	208	120
2	615		
3	600		
4	585		
5	570		
6	555		
7	540		

ET7 Series

**14**  
 600 Δ Volt Primary  
 480Y/277 Volt Secondary  
 Taps: 2, 2½% FCAN; 4, 2½% FCBN

Primary H1-H2-H3		Secondary Voltage	
@ Tap	Voltage	X1, X2, X3	X0- X1, X2, X3
1	630	480	277
2	615		
3	600		
4	585		
5	570		
6	555		
7	540		

ET71 Series

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