

# REVOLUTION Charger Specifications



5X



8X



12X



16X



24X

Model	Module Size	Output Voltage	4kW	5kW	6kW	8kW	9kW	10kW	12kW	13kW	14kW	15kW	18kW	21kW	23kW	26kW	29kW	31kW	
5X	36	24/36	90	120	150														
	48	24/36/48	75/67	100/90	125/112														
	80	24/36/48/72/80	39	52	65														
8X	36	24/36			150	180	210	240											
	48	24/36/48			125/112	150/135	170/157	200/180											
	80	24/36/48/72/80			65	78	91	104											
12X	36	24/36						240	270	300	330	350							
	48	24/36/48						200/180	225/202	250/225	275/247	300/270							
	80	24/36/48/72/80						104	117	130	143	156							
16X	36	24/36										360	420 <sup>SC</sup>	480					
	48	24/36/48										300/270	350/315 <sup>SC</sup>	400/360 <sup>SC</sup>					
	80	24/36/48/72/80											182	208					
24X	36	24/36													540	600	660	700	
	48	24/36/48													450/405 <sup>SC</sup>	500/450 <sup>SC</sup>	550/495	600/540	
	80	24/36/48/72/80													234	260	286	312	
<b>Number of Modules</b>			3	4	5	6	7	8	9	10	11	12	14	16	18	20	22	24	
<b>Charger kW Rating</b>			3.9	5.2	6.5	7.8	9.1	10.4	11.7	13.0	14.3	15.6	18.2	20.8	23.4	26.0	28.6	31.2	
<b>Input Current Draw</b>			5.5	7.4	9.2	11.1	12.9	14.8	16.6	18.5	20.3	22.2	25.9	29.6	33.3	37.0	40.7	44.4	
<b>AC Breaker</b>			5X: 15A	8X: 20A	12X: 30A	16X: 40A	24X: 60A												
<b>Max. Input Current</b>			5X: 10A	8X: 15A	12X: 22A	16X: 30A	24X: 44A												
<b>Input Voltage</b>			480VAC, 3-phase ± 10%																
<b>Efficiency</b>			Total charge cycle efficiency > 90% Peak charging efficiency > 93%																
<b>User Interface</b>			LCD/Keypad, Ethernet (optional)																
<b>Cooling</b>			Forced air (fans)																
<b>Dimensions (WxDxH)</b>			5X: 12.5" x 8.5" x 20.25"			8X: 18.5" x 9.5" x 21"			12X: 26.5" x 9.5" x 21"			16X: 22" x 10" x 48"			24X: 30" x 10" x 48"				
<b>Weight</b>			5X: ≤ 56 lbs			8X: ≤ 81 lbs			12X: ≤ 120 lbs			16X: ≤ 210 lbs			24X: ≤ 300 lbs				
<b>Certifications</b>			UL and cUL listed; CEC Compliant																

Conventional charge rate based on 17% start rate  
Opportunity charge rate based on 25% start rate  
Fast charge rate based on 40% start rate

80V chargers are capable of charging 24/36/48/72/80 batteries  
48V chargers are capable of charging 24/36/48 batteries  
36V chargers are capable of charging 24/36 batteries

<sup>SC</sup> Single cable versions available please contact Power Designers for more details