



## 4. Charger Electrical Performance

### 4.1 Input

Input	Input voltage range	AC 90~265V
	Frequency	47~63Hz
	Input Current	≤32A
	Power Factor	≥0.98 @ ≥1650W
	Efficiency	≥93% full loading
	Stand-by power consumption	≤5W
	Starting inrush current	≤48A

### 4.2 Output

Nominal Voltage Platform		540V	312V
Output	Output voltage range	400-680V	200-450V
	Max output current	14A	20A
	Output power	6600W@220VAC; 3300W@110VAC	
	Output way	CV/CC	
	Efficiency	≥94%	
	CV accuracy	±1%	
	CC accuracy	±2%	
	Ripple voltage coefficient	±5%	
	Output voltage rising time	<5S, overshoot<10%	
	Shut off response time	Current decreased below 10% in 300ms, and decreased to 0A in 500ms	

### 4.3 Low Voltage Output

Low voltage Output	Output way	CV
	Output voltage	12V
	Nominal current	5.5A
	CV accuracy	±2%
	Output Power	≤66W
	Ripple voltage coefficient	≤1%