

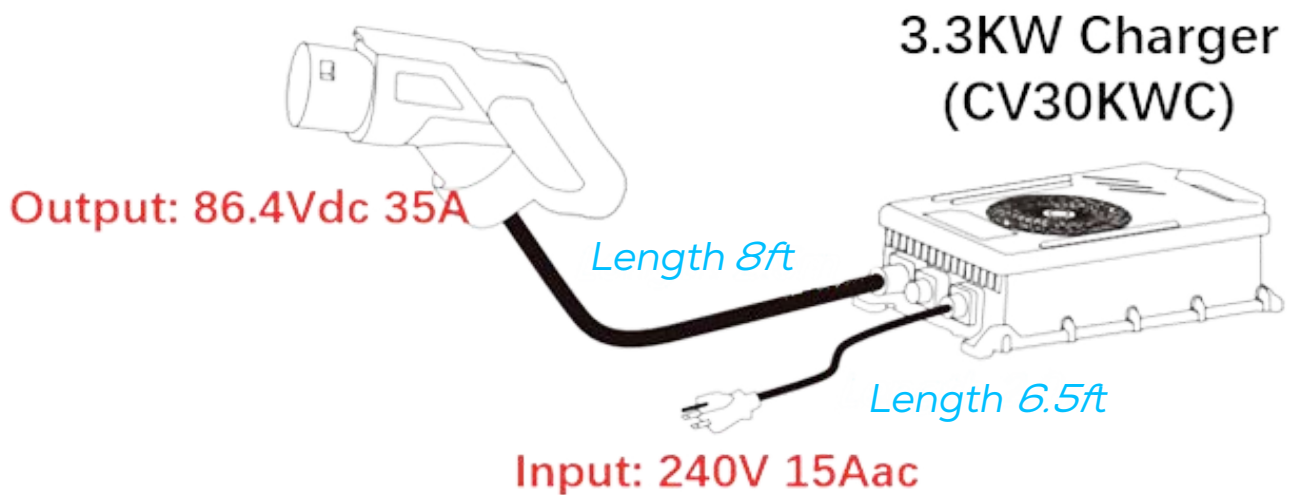


OPTIMUS Z
CHARGING OPTIONS

STANDARD CHARGER

CV30KWC

(ERP R0205365-00)



3.3KW @ 240V, NEMA 6-20R outlet, about 8 hours charging time for 24 kWh battery*

*depending on battery SoC and temperature



NEMA 5-20



6-20R

CV30KWC	120V	240V
Input Voltage (V)	110	230
Input Current (A)	13	15
Input Watts (W)	1500	3500
Plug Type	NEMA 5-20R	NEMA 6-20R
Output Voltage (V)	86.4	86.4
Output Current (A)	15	35
Output Watts (W)	1300	3000
Charger Weight (kg)	6	
24kWh Charge Time (5%-100%)	≈19 hours	≈9 hours
24kWh Charge Time (10%-100%)	≈18 hours	≈8 hours

With optional NEMA 6-20R to NEMA 5-15P adapter: 1.3KW @ 120V, NEMA 5-15R outlet, about 18 hours charging time for 24 kWh battery

7.7KW SUPER CHARGER

C80SC

(ERP 7503302)



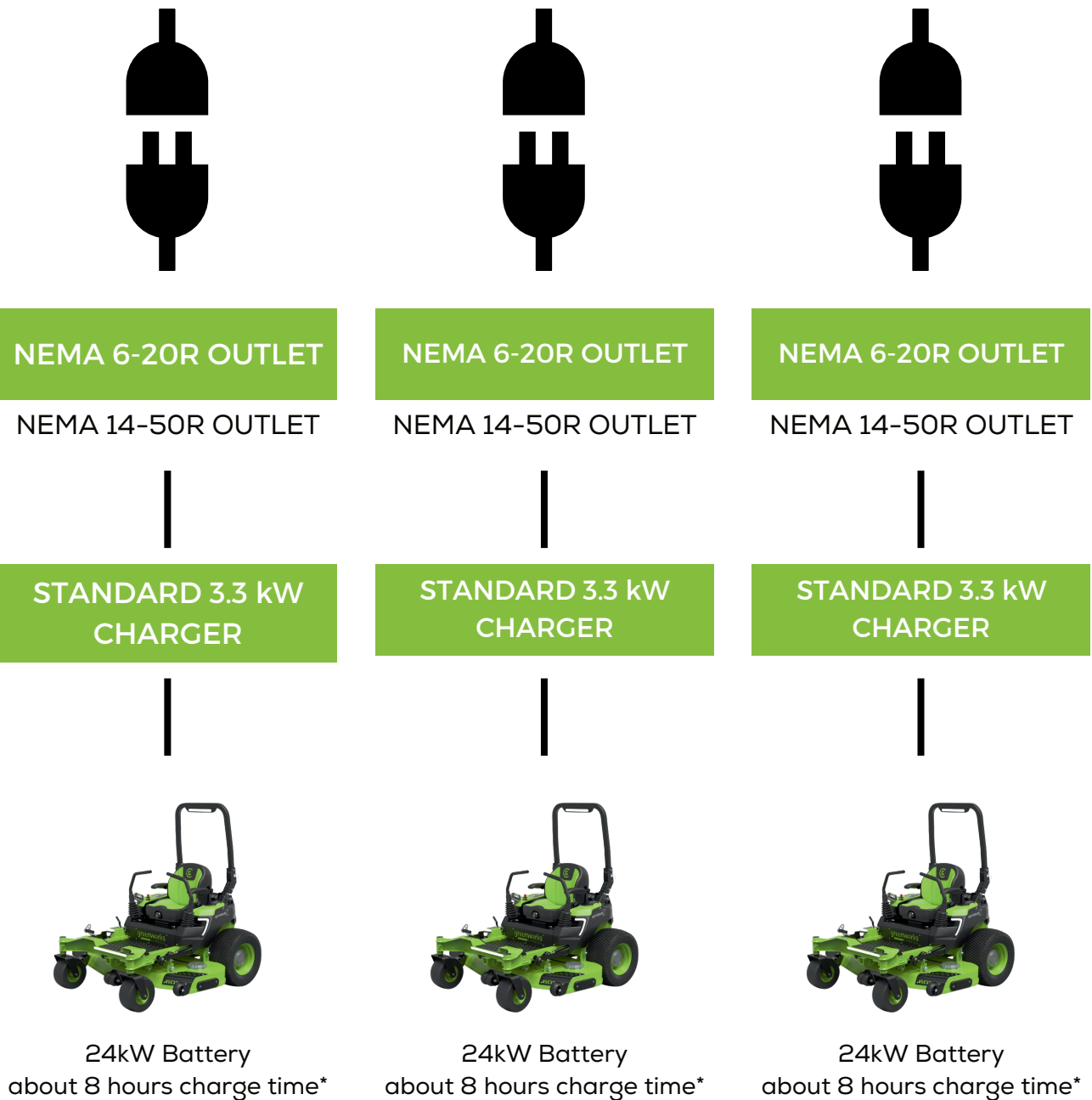
7.7 KW @ 240V, NEMA 14-50R outlet, about 3 hours of charging time for 24 kWh battery, depend on battery SoC and temperature.

C80SC	
Input Voltage (V)	240
Input Current (A)	32
Input Watts (W)	7700
Plug Type	NEMA 14-50R
Output Voltage (V)	86.4
Output Current (A)	80
Output Watts (W)	7000
Charger Weight (kg)	20
24kWh Charge Time (5%-100%)	≈4 hours
24kWh Charge Time (10%-100%)	≈3 hours

CHARGING SOLUTIONS

CHARGE 3 UNITS AT THE SAME TIME

240V 50A CIRCUIT (MAX. 12kW)



*Depends on SoC & Temperature

CHARGE WARMING FUNCTION

Battery BMS will check battery temperature before charging:

- If no more than 35.6 °F (2°C), starting heating but will NOT charge
- If temperature is above 41 °F (5°C), start charging and keep heating
- If temperature reach 77 °F (25°C), stop heating but keep charging until 100% SoC
- If temperature dropped to 50 °F (10°C), start heating again until reach 77 °F (25°C)

Detecting Charge Faults

If the unit detects a charge fault, un-plug and then re-plug charger will trigger the internal heating if battery temperature is lower than 35.6 °F (2°C)

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