

EV DC Charger Specs

Name	20kW Bi-Directional Charger
Model	CZAR-20KW/750V-USA
Rated Output Power	20kW per module (cassette design)
Adjustable Current Range	0 ~ 50A
Output Voltage (Adjustable)	250VDC ~ 550VDC (stable voltage ,no inference pulse signal)
WiFi Connection	IEEE 802.11 b/g/n 2.4GHz
Adjustable Current Limit	10% ~ 100% indefinitely adjustable
Output Peak-to-peak Noise	≤1%
AC Current Harmonics (THD)	≤5%
AC Leakage Current	≤10mA
Output Current Accuracy	≤±0.5%
Current Sharing	≤±5%
Efficiency	≥95%
Full Load Duty Cycle	95%
Rated Input Voltage - Grid	480Vac (USA Standard)
Input Voltage Range - Solar PV	300 - 600VDC
Load Level	continuous operation under 10% ~ 100% of rated output current
Input Voltage Range	305Vac ~ 530Vac (full load) / 305Vac ~ 260Vac (decrease linearly to half-load)
Frequency	45Hz ~ 65Hz
Power Factor (PF)	≥0.99
Protection	over & under-voltage、over-current、over-heating、ground fault, output diode failure
Operation Environment Temp	-40°C ~ 50°C normal operation; 50°C ~ 75°C reduced output
Storage Temp	-40°C ~ 75°C
Output Insulation Resistance	DC1000V test ≥100MΩ
Relative Humidity	0 ~ 95%
Altitude	2000m full-load output
Dimension	< 20.1 x 28.5 x 6in
Communication	OCPP Protocol ; CAN and WiFi 2.4GHz
Output Charging Cable	≥10ft x 1 plug CCS connector
Auxiliary Power Output	24V / 2A
Protection Level	IP32 / IP54