

Technical Specifications

Configuration	SKU
Voltage	480 Vac +/- 10 %
AC Input Power Connection	480 Vac +/- 10 %
Frequency	3-phase: L1, L2, L3, GND
Recommended breaker	80A
Max Current Draw	62A
Power factor	>0.99
THD - Current	< 5%
AC-to-DC Mode	Value
AC Input: Voltage and current range	400/480Vac, 3L+PE; 0 - 43A
AC Input: Voltage/frequency range	260 Vac - 530 Vac, 45Hz - 65Hz
DC Output: Rated power	44kW
DC Output: Voltage and current range	150Vdc -1000Vdc; 0 -146.6A
DC-to-AC Mode	Value
DC Input: Voltage and output power	300 -1000Vdc: 44kW; 300 -150Vdc Linear derating to 22kW
DC Input: Max Current	146.6
AC Output: Voltage and output power	320 - 530Vac: 44kW; 260 - 320Vac: Linear derating to 22kW
AC Output: Rated power and current	44kVA/66.6A
Islanding voltage accuracy	1% & <3% // Off Grid Only supports 400Vac
Power Factor	>0.7
Dynamic voltage stability and recovery	5% and 20mS
Controls and Interface	Value
Charging Connectors	CCS1, CHAdeMO available upon request
HMI	7" TFT LCD Display
Communication	OCPP 1.6J
Network Connection	4G & 5G Cellular, LAN 10M/100M
RFID	Yes
Environment	Value
Temperature - Operating	-4 °F (-40F with Cold weather kit) to + 158 °F * / -20 °C to +70 °C
Temperature - Storage	-40°F to + 167 °F / -40 °C to +75 °C
Humidity	95%
Altitude - Operating	6560ft (2000 m)
Protection - Intrusion	IP55/K10
General	Value
Cable Length	16.4 ft
Safety and EMI	UL2202, CE, EN61000-6-3/-1 Class B ; EN 61851-1/-23/-24, UL 1741, J2847-02

* Derating characteristics apply at extreme temperatures

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