



KOTUKU, INC.

PRODUCT SPECIFICATIONS – DATA SHEET



Features

- NRTL certified (MET)
- Nayax CC Reader Applied
- CALeVIP listed
- Nationwide – Operation & Maintenance.



Specifications

Max. Charging Capacity	180kW / 150kW / 120kW
AC Input	480Vac $\pm$ 10%, 238A, 198kW 3Phase 4Wire+PE
DC Output	150 ~ 1000Vdc 200A(MAX)
Recommended Upstream Circuit Breaker(s)	4pole - 250A (Recommended Upstream Circuit Breaker)
Power Factor	>0.96 at full load
Current THD	<5%
Charging Type	Stand-alone Charging, Simultaneous charging
Cable Type	Air Cooling
Efficiency	>94% at nominal output power
Charging Protocols	CCS1 + CCS1 (Option CCS1 + NACS)
User Interface	15" LCD Capacitive ,High-contrast touch-screen
Charger Status Indicators	LED Status Indicator
User Authentication	ISO 14443 Type A,B RFID / Credit Card / QR code
Network Connection	LTE Modem, LAN
Communication	Open Charge Point Protocol (OCPP)1.6 , 2.0.1
Supported Languages	English (Other available on request)
Operating Temperature	-35°C ~ +50°C / -31°F ~ +122°F (De-rating characteristics apply at extreme temperatures)
Storage Temperature	-40°C ~ +80°C / -40°F ~ +176°F
Protection	IP54, NEMA 3R; Indoor and Outdoor Rated
Humidity	<RH 5 ~ 95% (Non-Condensing)
Altitude	Up to 2,000m
Dimension	1,000mm x 700mm x 2,300mm 39.37in x 22.56in x 90.55in / TBD
Weight	462kg / 440kg / 418kg 1,018.5 / 970lb / 921.5lb
Compliance and Safety	Input / Output overvoltage detection, Output leakage detection Input / Output overvoltage detection, Short Circuit Protection Over temperature protection Emergency Stop Button UL2202, CSA-C22-2 No-346, UL1998, UL2231-1, UL2231-2, UL991, UL50, UL50E, CSA-C22-2 No-107-1; EMC : FCC Part15
Plug and Charge(PnC)	ISO 15118-2



Features

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- Nayax CC Reader Applied
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Specifications

Max. Charging Capacity	180kW / 150kW / 120kW
AC Input	480Vac $\pm$ 10%, 238A, 198kW
	3Phase 4Wire+PE
DC Output	150 ~ 1000Vdc 300A(MAX)
Recommended Upstream Circuit Breaker(s)	4pole - 300A (Recommended Upstream Circuit Breaker)
Power Factor	>0.96 at full load
Current THD	<5%
Charging Type	Stand-alone Charging, Simultaneous charging
Cable Type	Air Cooling
Efficiency	>94% at nominal output power
Charging Protocols	CCS1 + CCS1 (Option CCS1 + NACS)
User Interface	15" LCD Capacitive ,High-contrast touch-screen
Charger Status Indicators	LED Status Indicator
User Authentication	ISO 14443 Type A,B RFID / Credit Card / QR code
Network Connection	LTE Modem, LAN
Communication	Open Charge Point Protocol (OCPP)1.6 , 2.0.1
Supported Languages	English (Other available on request)
Operating Temperature	-35°C ~ +50°C / -31°F ~ +122°F (De-rating characteristics apply at extreme temperatures)
Storage Temperature	-40°C ~ +80°C / -40°F ~ +176°F
Protection	NEMA 3R; Indoor and Outdoor Rated
Humidity	<RH 5 ~ 95% (Non-Condensing)
Altitude	Up to 2,000m
Dimension	830mm x 800mm x 1,900mm 32.7in x 31.5in x 74.8in / TBD
Weight	462kg / 440kg / 418kg 1,018.5 / 970lb / 921.5lb
Compliance and Safety	Input / Output overvoltage detection, Output leakage detection Input / Output overvoltage detection, Short Circuit Protection Over temperature protection Emergency Stop Button UL2202, CSA-C22-2 No-346, UL1998, UL2231-1, UL2231-2, UL991, UL50, UL50E, CSA-C22-2 No-107-1; EMC : FCC Part15
Plug and Charge(PnC)	ISO 15118-2



Features

- NRTL to be certified in Dec.2024 (MET)
- Nayax CC Reader Applied
- CALeVIP listed
- Nationwide – Operation & Maintenance.



Specifications

Max. Charging Capacity	400kW(Max)
AC Input	480Vac $\pm$ 10%, 517A, 50/60Hz,430kW 3Phase 4Wire+PE
DC Output	150 ~ 1000Vdc Nominal 500A (Simultaneous charging 200kW x2ch)
Recommended Upstream Circuit Breaker(s)	4pole - 400A *2 (Recommended Upstream Circuit Breaker)
Power Factor	>0.98 at full load
Current THD	<5%
Charging Type	Stand-alone Charging, Simultaneous charging
Cable Type	Liquid Cooling
Efficiency	>94% at nominal output power
Charging Protocols	CCS1 / NACS
User Interface	15" LCD Capacitive ,High-contrast touch-screen
Charger Status Indicators	LED Status Indicator
User Authentication	ISO 14443 Type A,B RFID / Credit Card / QR code
Network Connection	LTE Modem, LAN
Communication	Open Charge Point Protocol (OCPP)1.6 , 2.0.1
Supported Languages	Standard Language English (Other available via Software upgrade)
Operating Temperature	-35°C ~ +50°C / -31°F ~ +122°F (De-rating characteristics apply at extreme temperatures)
Storage Temperature	-40°C ~ +80°C / -40°F ~ +176°F
Protection	NEMA 3R; Indoor and Outdoor Rated
Humidity	<RH 5 ~ 95% (Non-Condensing)
Altitude	Up to 2,000m
Dimension	900mm x 1,100mm x 2,000mm 35,43in x 43,31in x 78,74in / TBD
Weight	750kg / 1,653.47 lbs(TBD)
Compliance and Safety	Overcurrent, Overvoltage, Under voltage, Ground fault including DC leakage protection, Over temperature protection, Integrated Surge protection UL 2202, UL1998, UL2231-1, UL2231-2, UL991, UL50, UL50E CSA C22.2 NO.107.1; EMC:FCC Part15
Plug and Charge(PnC)	ISO 15118-2



KOTUKU, INC. FULL-SERVICE INSTALLATION ROADMAP

1. Product

- Choose Charger Model(s)
- Finalize Contract + Purchase Order



3. Energy Provider

- Energy needs to power Charger(s)
- Check Infrastructure



5. Incentives and Rebates

- State / Federal Funding
- Energy Provider Rebates



2. Site Information

- Address + Site Plan
- Single-line Electrical Diagram
- City/County Permits



4. Installation and Maintenance

- Installation
- Detailed List of Services
- Approval Procedure



6. POS System Provider

Through KOTUKU'S Partner



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RE-BRANDING

- Possible to re-brand charging units to show Your company logo/name or remove branding



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