

ESPEN

CHARGING SOLUTIONS



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1. Introduction

This Standard Two -Year Warranty Statement outlines the warranty coverage provided by Espen Technology Inc. for its EV charging equipment. The warranty applies to Espen -branded EV chargers purchased and installed within the United States for commercial or residential use.

2. Warranty Term

Espen provides a Standard Warranty of two (2) years from the Activation Date of the EV charger. The Activation Date is defined as the date of activation confirmed by Espen's cloud monitoring platform or the thirtieth (30th) calendar day following the product shipment date, whichever occurs first.

3. Warranty Coverage

3.1 Parts Coverage

The Standard Warranty covers the replacement of defective components caused by non -human accidental failure or normal wear and tear. Replacement parts may be new or refurbished and are guaranteed to meet original equipment specifications. Refurbished parts continue to follow the original activation-based warranty period.

3.2 Espen Service Commitment

Espen Technology is committed to supporting customers through the full two -year warranty period. Under this Standard Warranty, Espen will provide the following services:

- Remote diagnostics through the cloud monitoring platform
- Replacement of faulty hardware components with new or refurbished parts
- Access to Espen's technical support team for warranty inquiries and resolution guidance
- Shipment of replacement parts upon verification of hardware failure

Note: Cloud-based monitoring and remote diagnostics are only available if the Customer has separately subscribed to Espen's cloud service. If no cloud subscription is active, these features are not included as part of the Standard Warranty.

3.3 Exclusions

The Standard Warranty does NOT include the following:

- Labor costs for on-site repairs, diagnostics, or maintenance
- Travel costs for field technicians
- Daily proactive monitoring of system status
- On-site technical support and diagnostics
- Charging station uptime guarantees
- Failures due to vandalism, misuse, force majeure events, installation errors, or modifications by unauthorized personnel

4. Customer Responsibilities

Customers are responsible for:

- Maintaining proper installation and operating environment per Espen's installation manual
- Retaining proof of purchase and product activation records
- Reporting issues promptly through Espen's support channels and cooperating with remote diagnostics
- Returning defective parts upon request if replacements are issued

5. Service Request Procedure

To request warranty service, customers should contact Espen's Technical Support via email or phone. Initial diagnostics will be conducted remotely using the monitoring system. On -site service can be arranged separately if necessary and will be billed according to current rates.

6. Return and RGA Policy

Replacement parts under warranty will be shipped after problem verification. All returns must be authorized with an RGA number. Unless otherwise stated in writing, the customer is responsible for return shipping costs.

7. Governing Law

This warranty shall be governed by and construed in accordance with the laws of the State of California. This document does not supersede any rights granted by applicable consumer protection laws.

8. Disclaimer

This document serves as a general summary of Espen's standard two -year warranty. It does not imply any additional guarantees or liabilities beyond what is described herein. For additional service options, customers may request information on Espen's EvCare Pro extended service plans.

SPECS AT A GLANCE

OUTPUT POWER	AC 11.5KW
OUTPUT CURRENT	48A
INPUT VOLTAGE	48A@208-240V AC
STANDARD CONNECTOR	SAE J1772 TYPE1
CABLE LENGTH	18FT
CONNECTOR QTY	SINGLE
CONNECTIONS	4G, ETHERNET, WI-FI
POWER SELECTABLE	YES



FEATURES

SMART CHOICE FOR REBATES: Optimally priced and fully certified to meet rebate requirements, delivering maximum value

INTELLIGENT CHARGING: With ISO 15118 Plug & Charge, , universal payment support, and OCPP 2.0 for powerful, future-ready performance.

CLOUD MANAGEMENT: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

HIGH STANDARDS, PROVEN CERTIFICATIONS: Backed by ETL, FCC, Energy Star, and CTEP for performance you can rely on.

CERTIFICATIONS



CTEP
Certified



TECHNICAL SPECS

INPUT	Voltage Rating	208-240Vac(+10%,-10%)
	Wiring	L1/L2/GND,Hardwired
	Max. Input Current	48A@208-240Vac
	Max. Input Power	11.5kW@240Vac
OUTPUT	Input Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
	Max. Output Power	AC 11.5kW
	Voltage Accuracy	±1%
	Current Accuracy	±1%
	Output Voltage Range	208~240Vac
	Maximum Output Current	48A
Power Management	Output Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
	Cooling	Passive
FUNCTIONAL INTERFACES	Max. Conn. per Dispenser	Single
	Supported Connector Types	SAE J1772 Type1 / SAE J3400 NACS (Optional)
	Cable Lengths	18ft / 25ft (Optional)
	Display	4.3-inch LCD
USER CONTROL	Communication	Ethernet, Wi-Fi and 4G
	Back-end Support	OCPP 1.6/2.0 JSON
	User Authentication	RFID, QR Code, Mobile APP

ENERGY MANAGEMENT	Output Power Management	Support configurable
	Remote Load Management	Yes
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2231, UL2251, UL2594
	FCC Compliant	Yes
	Energy Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA Type 4
ENVIRONMENTAL CONDITIONS	Anti-vandalism	IK10, not include LCD & RFID
	Recommended Breaker	60A
	Operation Temperature	-22°F to 122°F
	Storage Temperature	-40°F to 158°F
MECHANICAL SPECIFICATIONS	Relative Humidity	5%~95% RH, non-condensing
	Altitude	≤ 2000m(6560 ft)
	Dimensions (WxDxH inch)	9.7 x 12.8 x 97 inch
	Weight (typ.)	17.64Lbs

REBATE



COMMUNITIES IN CHARGE
Eligible Model: TSEA240V/40AUS-Z

SPECS AT A GLANCE

OUTPUT POWER	11.5KW @240V AC / 19.2KW @240V AC
OUTPUT CURRENT	48A / 80A
INPUT VOLTAGE	208-240V AC
STANDARD CONNECTOR	SAE J1772 TYPE 1
CABLE LENGTH	18FT
CONNECTOR QTY	SINGLE
CONNECTIONS	Wi-Fi, ETHERNET, 4G
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



FEATURES

HIGH-LEVEL SCENARIO: Listed under Communities in Charge, certified with CTEP a, fulfilling the certification requirements for rebate programs.

INTELLIGENT CHARGING: With ISO 15118 Plug & Charge, built-in credit card payment (optional), universal payment support, and OCPP 2.0 for powerful, future-ready performance.

EXTREME RELIABILITY: With high-standard modular design, built to perform reliably even in extreme conditions down to -40 °F

CLOUD MANAGEMENT: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

SAFE & RELIABLE: Comprehensive protection mechanisms, fully compliant with the latest national and industry standards

EFFORTLESS MAINTENANCE: Versatile access for device management and configuration, making maintenance seamless and worry-free.

TECHNICAL SPECS

INPUT	Voltage Rating	208-240V AC
	Wiring	L1/L2/GND, Hardwired
	Max. Input Current	48A @264Vac / 80A @264Vac
	Max. Input Power	11.5kW / 19,2kW
	Input Protection	UVP, OVP, RCD (CCID 20), SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection
OUTPUT	Max. Output Power	11.5kW / 19,2kW
	Voltage Accuracy	±1%
	Current Accuracy	±1%
	Output Voltage Range	187Vac~264Vac
	Maximum Output Current	48A / 80A
	Output Protection	OTP, OVP, UVP, OCP, RCD
Power Management	Cooling	Passive
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Single
	Supported Connector Types	SAE J1772 Type1 SAE J3400 NACS (Optional)
	Cable Length	18 / 25 FT (Optional)
	Display	4.33" touch screen (UI upgradable)
User Control	Communication	WiFi, Ethernet, 4G Cellular
	Back-end Support	OCPP2.0.1/1.6J self-adaptation
	User Authentication	Plug & Charge/RFID Card/ Credit Card (Optional)

Energy Management Features	Output Power Management	Support configurable
	Remote Load Management	Yes
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2594. UL2231
	FCC Compliant	YES
	Energy Star	YES
	ISO 15118	YES
	CTEP	YES
	Ingress Protection	NEMA 4 (IP65)
	Anti-Vandalism	IK08
ENVIRONMENTAL CONDITIONS	Recommended Breake	60A / 100A
	Operating Temperature	-40°F - 131°F
	Storage Temperature	-40°F - 185°F
	Relative Humidity	5%-95%
MECHANICAL SPECIFICATIONS	Altitude	<6560ft (2000m)
	Dimensions (WxDxH inch)	15.83"x9.61"x4.64" (402x244x118mm)
	Weight	17.64Lbs / 23.15Lbs

REBATE



COMMUNITIES IN CHARGE
Eligible Model: EVC/A48

SPECS AT A GLANCE

OUTPUT POWER	2*11.5KW
OUTPUT CURRENT	2*48A
INPUT VOLTAGE	208-240V AC
STANDARD CONNECTOR	SAE J1772 TYPE1
CABLE LENGTH	18FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET, WI-FI
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



FEATURES

DUAL CHARGING IN ONE UNIT: Delivering up to 48A for two vehicles simultaneously, doubling efficiency and elevating performance.

INTELLIGENT CHARGING: With ISO 15118 Plug & Charge, built-in credit card payment (optional), universal payment support, and OCPP 2.0 for powerful, future-ready performance.

EXTREME RELIABILITY: With high-standard modular design, built to perform reliably even in extreme conditions down to -40 °F

CLOUD MANAGEMENT: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

HIGH STANDARDS, PROVEN CERTIFICATIONS: Backed by ETL, FCC, Energy Star, and CTEP for performance you can rely on.

EFFORTLESS MAINTENANCE: Versatile access for device management and configuration, making maintenance seamless and worry-free.

TECHNICAL SPECS

INPUT	Voltage Rating	208-240V AC
	Wiring	L1/L2/GND, Hardwired
	Max. Input Current	96A @ 264Vac
	Max. Input Power	2*11.5kW
OUTPUT	Input Protection	UVP, OVP, RCD (CCID 20), SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection
	Max. Output Power	2*11.5kW
	Voltage Accuracy	±1%
	Current Accuracy	±1%
	Output Voltage Range	187Vac~264Vac
	Maximum Output Current	2*48A
	Output Protection	OTP, OVP, UVP, OCP, RCD
POWER MANAGEMENT	Cooling	Passive
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Dual
	Supported Connector Types	SAE J1772 Type 1 SAE J3400 NACS (Optional)
	Cable Lengths	18 / 25 FT (Optional)
	Display	7" touch screen (UI upgradable)
USER CONTROL	Communication	WiFi, Ethernet, 4G
	Back-end Support	OCPP 2.0.1/1.6J Self adapting
	User Authentication	Plug & Charge/RFID Card/Credit Card (optional)

ENERGY MANAGEMENT FEATURES	Output Power Management	Support configurable
	Remote Load Management	Yes
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2231, UL2594
	FCC Compliant	YES
	Energy Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA 4 (IP65)
	Anti-vandalism	IK08
ENVIRONMENTAL CONDITIONS	Recommended Breaker	60A*2
	Operational Temperature	-40°F ~ +131°F
	Storage Temperature	-40°F ~ +185°F
	Relative Humidity	5~95%
MECHANICAL SPECIFICATIONS	Altitude	<6561ft (2000m)
	Dimensions (WxDxH inch)	12.2"x19.2"x4.8"(310x488x-122mm)
	Weight (typ.)	30.09lbs

SPECS AT A GLANCE

OUTPUT POWER	DC 60KW
INPUT VOLTAGE	480V AC
WIRING	L1, L2, L3 & PE
STANDARD CONNECTOR	CCS1, NACS
CABLE LENGTH	16.4FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET, WIFI
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



Available 2027



FEATURES

Compact Dimension: Small footprint and dimension with 11.76 inch depth supports 60kw model and dual ports CCS1 & NACS.

Multiple installation: Movable, Pedestal mounting and Wall mounting. (Default: Pedestal mounting) Cable retractor option.

Safe & Reliable: Comprehensive protection mechanisms, fully compliant with the latest national and industry standards

Dynamic load balance: Delivers maximum power through a single connector and supports intelligent load balancing when using dual connectors, adaptable to outputs from 0–60 kW.

Note: The pedestal version is standard; the mobile version is optional.

TECHNICAL SPECS

INPUT	Voltage Rating	3ø480Vac
	Wiring	L1, L2, L3 & PE
	Max. Input Current	78A
	Input Protection	OVP, OPP, UVP, SPD, OTP
OUTPUT	Max. Output Power	DC 60kW
	Output Voltage Range	200Vdc~1000Vdc
	Max. Output Current	200A
	Output Protection	SCP, OCP, OVP, LVP, OTP, IMD
POWER MODULE	Power Factor	>0.99
	Peak Efficiency	96.7%
	Cooling	Intelligent Air Cooling
	Standby Power	<100W
	Electrical Isolation	Isolation between input and output
	Internal Protection	OTP, AC/DC contactor detection, Fuse detection
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Dual
	Supported Connector Types	CCS1 & NACS
	Cable Length	16.4 ft
	Display	15 Inch HD Touchscreen
User Control	Communication	4G Cellular, Ethernet, and Wi-Fi
	Back-end Support	OCPP 1.6 JSON / OCPP 2.0.1
	User Authentication	RFID, Mobile APP, Credit Card (Optional)

SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202. UL2231
	FCC Compliant	YES
	Energy Star	Ongoing
	Ingress Protection	Type 3R
ENVIRONMENTAL CONDITIONS	Anti-Vandalism	IK10
	Operating Temperature	-22°F - 149°F Derating above 122°F
	Storage Temperature	-40°F - 158°F
	Humidity	5%-95% Rh, non-condensing
	Acoustic Noise (dB)	<65dB
	Altitude	<6560ft (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	24.61 x 11.81 x 39.37 inches Pedestal-Mounting: 41.06 x 16.97 x 91.34 inches Wall-Mounting: 41.06 x 13.74 x 66.93 inches
	Weight	Pedestal-Mounting: 390lbs Wall-Mounting: 293lbs

SPECS AT A GLANCE

OUTPUT POWER	DC 120kW / 180kW
OUTPUT CURRENT	200A@150VDC ~ 500VDC / 126A @ 950VDC 200A@150VDC ~ 500VDC / 190A @ 950VDC
INPUT VOLTAGE	3Φ480V AC(+10%,-15%)
STANDARD CONNECTOR	CCS1 (STANDARD) SAE J3400 NACS (MADE TO ORDER)
CABLE LENGTH	15 FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET, WIFI
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



FEATURES

FAST CHARGING: Delivers up to 180 kW (190 Amps). Getting your Fleet of EVs or customers back on the road quickly.

SMART CONNECTIVITY: Equipped with Ethernet, Wi-Fi, and 4G Cellular networking connections, allowing you to monitor and control charging sessions.

USER-FRIENDLY INTERFACE: Features an intuitive 7 Inch LCD display for easy operation. RFID, QR code and Plug'n'Charge activation

SAFETY FIRST: Built-in safety features include over-current protection, over-voltage protection, and ground fault detection.

WEATHERPROOF DESIGN: Rated for indoor and outdoor use, with a durable, weather-resistant casing.

COMPATIBILITY: Compatible with all electric vehicles that use the standard CCS1 and NACS connectors.

ENERGY EFFICIENT: Designed to minimize energy consumption and reduce your electricity bill.

TECHNICAL SPECS

INPUT	Voltage Rating	3Φ480Vac(+10%,-15%)
	Wiring	3P+ N+ PE
	Max. Input Current	155A / 233A
	Input Protection	OVP, OPP, UVP, SPD, OCP, OTP
OUTPUT	Max. Output Power	DC 120kW / 180kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	150Vdc ~950Vdc
	Maximum Output Current	126A / 190A
	Output Protection	SCP, OCP, OVP, LVP OTP, IMD
POWER MODULE	Power Factor	> 0.99
	Efficiency	> 94%, at optimize V/I point
	Cooling	Intelligent Air Cooling
	Standby Power	< 100W
	Electrical Isolation	Isolation between Input and Output
	Internal Protection	OTP, AC/DC contactor detection, Fuse detection
	Max. Connectors per Unit	Dual
FUNCTIONAL INTERFACES	Supported Connector Types	CCS1, J3400 NACS
	Cable Lengths	15 ft / 23 ft (Optional)
	Display	7 Inch LCD Display

USER CONTROL	Communication	4G Cellular, Ethernet, and Wi-Fi
	Back-end Support	OCPP 1.6 JSON
	User Authentication	RFID, QR Code, Mobile App
ENERGY MANAGEMENT	Remote Load Management	Via OCPP 1.6 JSON
	Simultaneous Outputs	100% - 0% Single / 50%-50% Dual
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2231 -1/-2, UL2202
	FCC Compliant	YES
	Ingress Protection	IP55 NEMA 3R
	Anti-Vandalism	IK10, excluding LCD & RFID
	Dedicated Breaker Rating	200A / 300A (B Curve Type)
	Operational Temperature	-22°F - 122°F
ENVIRONMENTAL CONDITIONS	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,560 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	120/180 kW - 31.5 x 25.6 x 74.8 Inches
	Weight	120/180 kW - 1102 lbs

SPECS AT A GLANCE

OUTPUT POWER	DC 160KW
OUTPUT CURRENT	Natural Cooling CCS1/NACS 350A Max.
INPUT VOLTAGE	3ø480V AC(+10%, -10%)
STANDARD CONNECTOR	CCS1 & NACS
CABLE LENGTH	15 FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



FEATURES

High-level scenario: Listed under CALEVIP, certified with CTEP and OCPP 2.0, fulfilling the certification requirements for rebate programs.

Flexible Configuration: 120 kW–160 kW power options to meet diverse customer customization needs

Safe & Reliable: Comprehensive protection mechanisms, fully compliant with the latest national and industry standards

Cloud Management: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

Weatherproof Design: Rated for indoor and outdoor use, with a durable, weather-resistant casing.

Ultra-Low Energy Consumption: Optimized design minimizes power loss during operation and standby, effectively lowering customer operating costs

Convenient Payment: Supports multiple payment methods including Visa, MasterCard, RFID card, and mobile payment options

TECHNICAL SPECS

INPUT	Voltage Rating	3ø480Vac
	Wiring	L1, L2, L3 & PE
	Input Protection	OVP, OCP, OPP, OTP, UVP, SPD
OUTPUT	Max. Output Power	DC 160kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	50Vdc~1000Vdc
	Max. Output Current	Natural Cooling CCS1 350A
	Output Protection	SCP, OCP, OVP, LVP, OTP, IMD
Power Management	Power Factor	>0.99
	Peak Efficiency	96%
	Cooling	Natural: Forced air
	Standby Power	65W
	Electrical Isolation	Isolation between input and output
	Internal Protection	OTP, AC contactor detection, DC contactor detection, Fuse detection
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Dual
	Supported Connector Types	CCS1+CCS1/CCS1+NACS
	Cable Length	350A Natural-Cooled CCS1 15ft 350A NACS 15ft (Optional)
	Display	15 Inch Touchscreen

Energy Management Features	Output Power Management	Support configurable
	Simultaneously Output Mode	Dynamic Load distribution
	Remote Load Management	OCPP1.6J/OCPP2.0.1 (Upgradable)
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202. UL2231
	FCC Compliant	YES
	Energy Star	YES
	ISO 15118	YES
	CTEP	YES
	Ingress Protection	NEMA Type 3R
	Anti-Vandalism	IK10
ENVIRONMENTAL CONDITIONS	Recommended Breaker	400A Molded Case Circuit Breaker
	Operating Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	5%-95% Rh, non-condensing
	Acoustic Noise (dB)	<60dB
	Altitude	<6560ft (2000m)
	Dimensions	(31.5~36.1) x 29.5 x 78.7 inches
MECHANICAL SPECIFICATIONS	Weight	798lbs (362kg)

REBATE



BUILDING EV INFRASTRUCTURE

SPECS AT A GLANCE

OUTPUT POWER	DC 240kW
OUTPUT CURRENT	Natural Cooling CCS1/NACS 300A Max.
INPUT VOLTAGE	3ø480V AC(+10%, -10%)
STANDARD CONNECTOR	CCS1 & NACS
CABLE LENGTH	15 FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET
POWER SELECTABLE	YES

CERTIFICATIONS



CTEP
Certified



FEATURES

High-level scenario: Listed under CALEVIP, certified with CTEP and OCPP 2.0, fulfilling the certification requirements for rebate programs.

Flexible Configuration: 160 kW–240 kW power options to meet diverse customer customization needs

Safe & Reliable: Comprehensive protection mechanisms, fully compliant with the latest national and industry standards

Cloud Management: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

Ultra-Low Energy Consumption: Optimized design minimizes power loss during operation and standby, effectively lowering customer operating costs

Convenient Payment: Supports multiple payment methods including Visa, MasterCard, RFID card, and mobile payment options

TECHNICAL SPECS

INPUT	Voltage Rating	3ø480Vac
	Wiring	L1, L2, L3 & PE
	Max. Input Current	350A
	Input Protection	OVP, OCP, OPP, OTP, UVP, SPD
OUTPUT	Max. Output Power	DC 240kW
	Output Voltage Range	50Vdc~1000Vdc
	Max. Output Current	Natural Cooling CCS1 300A
	Output Protection	SCP, OCP, OVP, LVP, OTP, IMD
Power Management	Power Factor	>0.99
	Peak Efficiency	96%
	Cooling	Natural: Forced air
	Standby Power	70W
	Electrical Isolation	Isolation between input and output
FUNCTIONAL INTERFACES	Internal Protection	OTP, AC contactor detection, DC contactor detection, Fuse detection
	Max. Connectors per Unit	Dual
	Supported Connector Types	CCS1+CCS1/CCS1+NACS
	Cable Length	300A Natural-Cooled CCS1 (NACS) 15ft
	Cable Management	Overhead Swing Arm System
User Control	Display	15 Inch Touchscreen
	Communication	4G Cellular, Ethernet
	Back-end Support	OCPP1.6J / OCPP2.0.1(Upgradable)
	User Authentication	RFID, QR Code, Mobile APP, Mobile Payment, Optional Third Party Payment System (Credit card reader)

Energy Management Features	Output Power Management	Support configurable
	Simultaneously Output Mode	Dynamic Load distribution
	Remote Load Management	OCPP1.6J/OCPP2.0.1 (Upgradable)
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202. UL2231
	FCC Compliant	YES
	Energy Star	YES
	ISO 15118	YES
	CTEP	YES
	Ingress Protection	NEMA Type 3R
ENVIRONMENTAL CONDITIONS	Anti-Vandalism	IK10
	Recommended Breaker	400A Molded Case Circuit Breaker
	Operating Temperature	-13°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	5%-95% Rh, non-condensing
	Acoustic Noise (dB)	<70dB
MECHANICAL SPECIFICATIONS	Altitude	<6560ft (2000m)
	Dimensions	(31.5~36.1) x 29.5 x 78.7 inches
	Weight	1059lbs (480kg)

REBATE



BUILDING EV INFRASTRUCTURE

SPECS AT A GLANCE

Output Power	360kW / 480kW
Input Voltage	POWER CABINET – 3ø480V AC(+10%, -10%) DISPENSER – 1ø277V
Wiring	POWER CABINET – L1, L2, L3 & N & PE DISPENSER – L & N
Standard Connector	CCS1, NACS
Cable Length	16.4 ft
Connector Qty	Max. 6
Connections	4G, Ethernet
Power Selectable	Yes



FEATURES

High-level scenario: Listed under CALEVIP, certified with CTEP and OCPP 2.0, fulfilling the certification requirements for rebate programs.

Flexible Configuration: 320 kW–480 kW power options to meet diverse customer customization needs

Safe & Reliable: Comprehensive protection mechanisms, fully compliant with the latest national and industry standards

Cloud Management: Advanced cloud-based management solutions for convenient operation, monitoring, and service integration

Ultra-Low Energy Consumption: Optimized design minimizes power loss during operation and standby, effectively lowering customer operating costs

Convenient Payment: Supports multiple payment methods including Visa, MasterCard, RFID card, and mobile payment options

CERTIFICATIONS



CTEP
Certified



TECHNICAL SPECS

INPUT	Voltage Rating	3ø480Vac
	Wiring	3P & N & PE
	Max. Input Current	231A / 308A x 2
OUTPUT	Input Protection	OVP, OCP, OPP, OTP, UVP, SPD
	Max. Output Power	DC 360kW / 480kW
	Output Voltage Range	50Vdc~1000Vdc
	Max. Output Current	500A
	Output Protection	SCP, OCP, OVP, LVP, OTP, IMD
Power Management	Power Factor	>0.99
	Peak Efficiency	95%
	Cooling	Natural air or Liquid Cooling
	Standby Power	POWER CABINET – 66.3W POWER CABINET & DISPENSER (Liquid Cooled) – 128.9W POWER CABINET & DISPENSER (Natural-Cooled) – 121.9W
	Electrical Isolation	Isolation between input and output
	Internal Protection	OTP, AC contactor detection, DC contactor detection, Fuse detection
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Dual
	Supported Connector Types	CCS1+CCS1/CCS1+NACS
	Cable Length	500A Liquid Cooled CCS1 16.4ft 300A Natural-Cooled CCS1 16.4ft 300A NACS 16.4ft
	Display	15 Inch Touchscreen

User Control	Communication	4G Cellular, Ethernet
	Back-end Support	OCPP1.6J / OCPP2.0.1(Upgradable)
	User Authentication	RFID, QR Code, Mobile APP, Mobile Payment, Optional Third Party Payment System (Credit card reader)
Energy Management Features	Output Power Management	Support configurable
	Simultaneously Output Mode	Dynamic Load distribution
	Remote Load Management	OCPP1.6J/OCPP2.0.1 (Upgradable)
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202. UL2231
	FCC Compliant	YES
	Energy Star	YES
	ISO 15118	YES
	CTEP	YES
	Ingress Protection	NEMA Type 3R
	Anti-Vandalism	IK10
ENVIRONMENTAL CONDITIONS	Recommended Breaker	400A Molded Case Circuit Breaker
	Operating Temperature	-13°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	5%-95% Rh, non-condensing
	Acoustic Noise (dB)	POWER CABINET <85dB DISPENSER <75dB
MECHANICAL SPECIFICATIONS	Altitude	<6560ft (2000m)
	Dimensions	POWER CABINET – 55.13 x 39.34 x 82.67 inches DISPENSER – 29.53 x 17.72 x 82.67 inches
	Weight	POWER CABINET – 480kW: 1918lbs; 360kW: 1793lbs DISPENSER (Liquid Cooled) – 573lbs DISPENSER (Natural-Cooled) – 485lbs

Level 2 AC Chargers

Compatible with:

EVC/A48/S2
EVC/A80/S2
EVC/A48X2/S2 (EVA/PCM/55D only)
EVC/A48/R2

EVA/PED/55S
SINGLE MOUNT
55" PEDESTAL



EVA/PED/55D
DUAL
BACK-TO-BACK
55" PEDESTAL



EVA/PCM/55S
SINGLE MOUNT
90.4" PEDESTAL
& CABLE MNGT.



EVA/PCM/55D
DUAL
BACK-TO-BACK
90.4" PEDESTAL
& CABLE MNGT.



EVA/PCM/55D
+ EVA/PMB/55D/S2S Bracket
SIDE-BY-SIDE
90.4" PEDESTAL
& CABLE MNGT.



Level 3 DC Chargers

Compatible with:

EVC/D120
EVC/D180

EVA/CM15/120/180
15FT & 13FT CABLE
MANAGEMENT SYSTEM



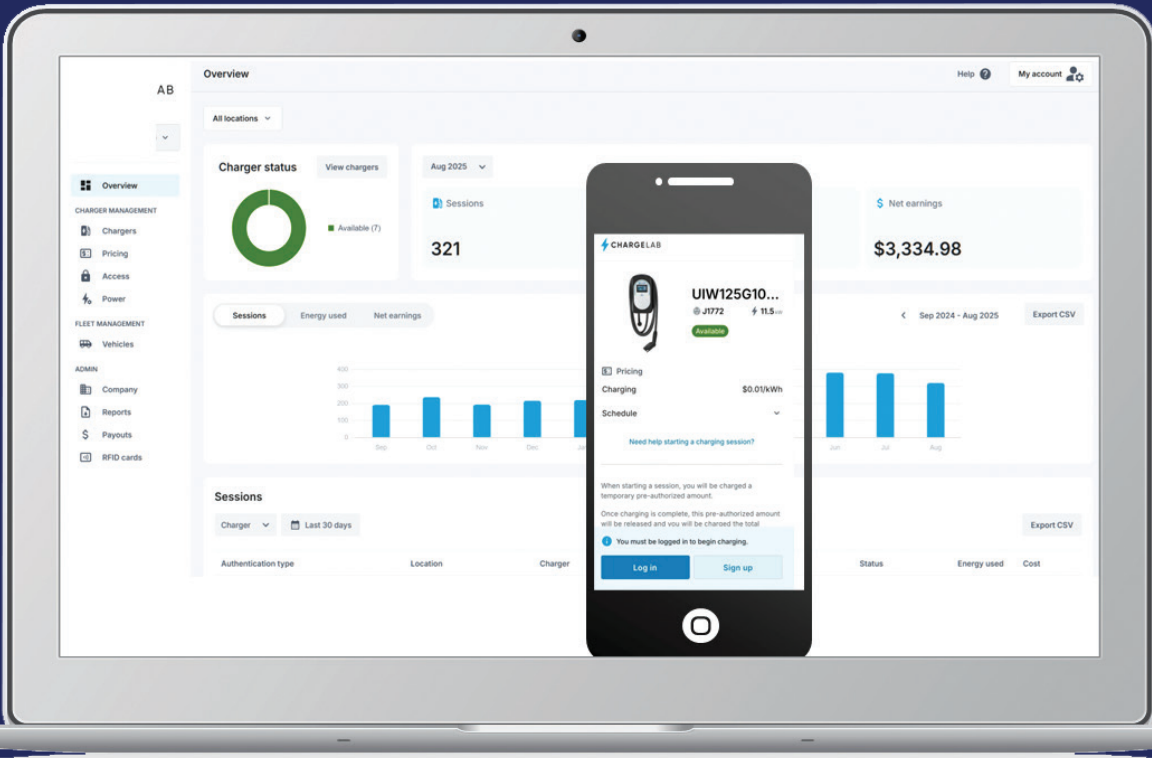
EVA/CM23/120/180
23FT CABLE
MANAGEMENT SYSTEM



ESPEN offers flexible credit card payment solutions across its AC Level 2 and DC fast charging portfolio. Payment options are available as either fully integrated or optional configurations, depending on the charger platform.

Payment Solution & Payout Scheme

Charger Models	Credit Card Solution	Integration	Payout Scheme
Charger Models 	Nayax UNO Mini 	Built-in	10% transaction fee, integrated with Espen platform service
EVC/D120, EVC/D180 	Payter Apollo Polar 	Optional CCR	Service provider dependent (*once Credit Card unit installed, RFID reader will be disabled)
Charger Models	Credit Card Solution	Integration	Payout Scheme
EVC/D160, EVC/D240, EVC/D360, EVC/D480 	Nayax VPOS 	Optional CCR	Service provider dependent



	Function	Notes
Connect OCPP EV Charger	✓	
24/7 end-user support	✓	Support EV drivers & site hosts through phone 24/7
Dashboard	✓	Visualize EV charging data in a customizable admin dashboard.
API access	✓	Pull real-time & historic charging data and integrate apps via API.
Monitoring	✓	Get automatic monitoring for charger faults & network errors.
Reports for utility rebate programs	✓	Generate reports & export data for utility reate programs.
Notifications	✓	Create admin notifications for faults or downtime.
Firmware updates	✓	Ensure seamless operations with remote firmware updates.
Access control	✓	Manage the settings of EV chargers.
Usage fees & revenue collection	✓	
Detailed pricing control	✓	Customize pricing schemes & discounts.
Power management	✓	
Vehicle management for Fleet	✓	
Subscription Coverage	✓	Options: 1 year, 3 years and 5 years



ESPENEV.COM

Powerful EV Charging Solutions

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