ESPEN

CHARGING SOLUTIONS

www.espenev.com

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10 STEPS TO EV CHARGER PROJECT SUCCESS

1. **Pre-installation Site Audit:**
   A. Assess the planned installation site:
      a. Evaluate existing electrical infrastructure and compare to the EV Charger project requirements.
      b. Consider panel capacity, available dedicated circuits, and power management systems.
      c. Evaluate Parking, Ease of use, Accessibility, and optimal charger placement.
      d. Evaluate signal strength for Wifi or 4G network connectivity if Charger management software is desired without ethernet access.
2. **Charger & Software Selection:**
   B. Choose the appropriate EV charger model and software package based on site requirements and expected usage.
3. **Installation Planning & Permitting: Develop an installation plan, including:**
   A. Timelines, resource allocation, and safety measures.
   B. Consider possible future expansion plans of the Charging infrastructure.
   C. When in doubt consult with a structural engineer familiar with local codes to meet concrete pad installation requirements.
   D. Gather all Pre-installation information, complete the necessary documents and submit to Espen.
   E. Obtain necessary permits and approvals from local authorities and utility companies.
4. **Electrical Upgrades:**
   A. Perform any required electrical upgrades to support the new charging infrastructure.
5. **Installation Execution:**
   A. Install the EV chargers according to the plan, ensuring compliance with safety and quality standards.
6. **System Testing:**
   B. Conduct thorough testing of the installed chargers to ensure proper functionality and safety.
7. **User Training:**
   A. Provide training for users on how to operate and maintain the EV chargers.
8. **Post-installation Inspection:**
   A. Perform a final inspection to verify the installation meets all standards and requirements.
9. **Espen Installation Approval and Warranty Activation:**
   A. Complete the Espen Post Installation Checklist and provide the required photos for installation approval and warranty activation.
10. **Purchase & Activate your EV CARE Plan**
   A. After successful installation and site approval, purchase and activate your chosen EV Care Plan agreement for the highest class of service and support.

EVC/A48/R2

Level 2 EV Charger

AC

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

CERTIFICATIONS

Intertek

ENERGY STAR

CTEP Certified

FC

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.

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
	Input Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
OUTPUT	Max. Output Power	AC 11.5kW
	Voltage Accuracy	±1%
	Current Accuracy	±1%
	Output Voltage Range	208~240Vac
	Maximum Output Current	48A
	Output Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
Power Management	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
	Energay Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA Type 4
	Anti-vandalism	IK10, not include LCD & RFID
	Recommended Breaker	60A
ENVIRONMENTAL CONDITIONS	Operation Temperature	-22°F to 122°F
	Storage Temperature	-40°F to 158°F
	Relative Humidity	5%~95% RH, non-condensing
	Altitude	≤ 2000m(6560 ft)
MECHANICAL SPECIFICATIONS	Dimensions (WxDxH inch)	9.7 x 12.8 x 97 inch
	Weight (typ.)	17.64Lbs

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EVC/A48S
EVC/A80S

Level. 2 Commercial EV Charger

AC

SPECS AT A GLANCE

OUTPUT POWER	19.2 KW @ 240V AC / 11.5 KW @ 240V AC
OUTPUT CURRENT	48A / 80A
INPUT VOLTAGE	208-240V AC
STANDARD CONNECTOR	SAE J1772 TYPE1
CABLE LENGTH	18FT
CONNECTOR QTY	SINGLE
CONNECTIONS	RJ45, 4G, ETHERNET, WI-FI
POWER SELECTABLE	YES

CERTIFICATIONS

Intertek, ENERGY STAR, FC

BABA COMPLIANT

Options Available

FEATURES

FAST CHARGING: Delivers up to 80 amps and 19.2 kW. Significantly reduces charging time compared to standard Level 1 chargers.

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

USER-FRIENDLY INTERFACE: Features an intuitive 4.3 Inch LCD display for easy operation.

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.

UNIVERSAL COMPATIBILITY: Compatible with all electric vehicles that use the standard J1772 connector.

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

TECHNICAL SPECS

INPUT	Voltage Rating	1Φ200-240Vac
	Wiring	Hardwired
	Max. Input Current	48A / 80A @208-240Vac
	Input Protection	UVP, OVP, SPD, RCD, Ground Fault Protection,
OUTPUT	Max. Output Power	AC 11.5kW / 19.2 kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	208 ±10% or 240 VAC ±10%
	Maximum Output Current	11.5kW / 19.2 kW
	Output Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
POWER MODULE	Power Factor	0.99
	Efficiency	>96%
	Cooling	Passive
	Standby Power	< 5W
	Electrical Isolation	Input and Output Isolation
	Internal Protection	OVP, UVP, OCP, RCD, (CCID 20), Ground Fault Protection
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Single
	Supported Connector Types	SAE J1772 Type 1 / NACS (Optional)
	Cable Lengths	18 ft / 25 ft (Optional)
	Display	4.3 Inch LCD Display

USER CONTROL	Communication	Ethernet, Wi-Fi, 4G Cellular
	Back-end Support	OCPP 1.6 JSON
	User Authentication	RFID, QR Code
ENERGY MANAGEMENT	Remote Load Management	Via OCPP 1.6 JSON
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2231, UL2594
	FCC Compliant	YES
	Ingress Protection	Charger: IP65, Cable: IP54, NEMA 3
	Anti-Vandalism	IK08,excluding LCD & RFID
	Dedicated Breaker Rating	60 A / 100 Amp
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,561 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	13.4 x 4.4 x 18.5 inch
	Weight	18.1 / 19.8 Lbs

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EVC/A48/S2

Level 2 Commercial EV Charger

AC

SPECS AT A GLANCE

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

CERTIFICATIONS

Intertek

ENERGY STAR

CTEP Certified

FC

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
	Max. Input Power	11.5kW
	Input Protection	UVP, OVP, RCD (CCID 20), SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection
OUTPUT	Max. Output Power	11.5kW
	Voltage Accuracy	±1%
	Current Accuracy	±1%
	Output Voltage Range	187Vac~264Vac
	Maximum Output Current	48A
	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 Lengths	18 / 25 FT (Optional)
	Display	4.33” touch screen (UI upgradable)
USER CONTROL	Communication	WiFi, Ethernet, 4G
	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	UL2231, UL2594
	FCC Compliant	Yes
	Energay Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA 4 (IP65)
	Anti-vandalism	IK08
	Recommended Breaker	60A
ENVIRONMENTAL CONDITIONS	Operational Temperature	−40°F ~ +131°F
	Storage Temperature	−40°F ~ +185°F
	Relative Humidity	5~95%
	Altitude	< 6561ft (2000m)
MECHANICAL SPECIFICATIONS	Dimensions (WxDxH inch)	15.83"x9.61"x4.64"(402x244x-118mm)
	Weight (typ.)	17.64Lbs

REBATE

COMMUNITIES IN CHARGE

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EVC/A48/S2X2 Level 2 Dual Gun EV Charger

AC

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

Intertek · ENERGY STAR · CTEP Certified · FC

Available 2026

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
	Input Protection	UVP, OVP, RCD (CCID 20), SPD, Ground Fault Protection, OCP, OTP, Control Pilot Fault Protection
OUTPUT	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
	Energay Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA 4 (IP65)
	Anti-vandalism	IK08
	Recommended Breaker	60A*2
ENVIRONMENTAL CONDITIONS	Operational Temperature	−40°F ~ +131°F
	Storage Temperature	−40°F ~ +185°F
	Relative Humidity	5~95%
	Altitude	<6561ft (2000m)
MECHANICAL SPECIFICATIONS	Dimensions (WxDxH inch)	12.2"x19.2"x4.8"(310x488x-122mm)
	Weight (typ.)	30.09lbs

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EVC/A48X2

Level 2 Dual EV Charger

AC

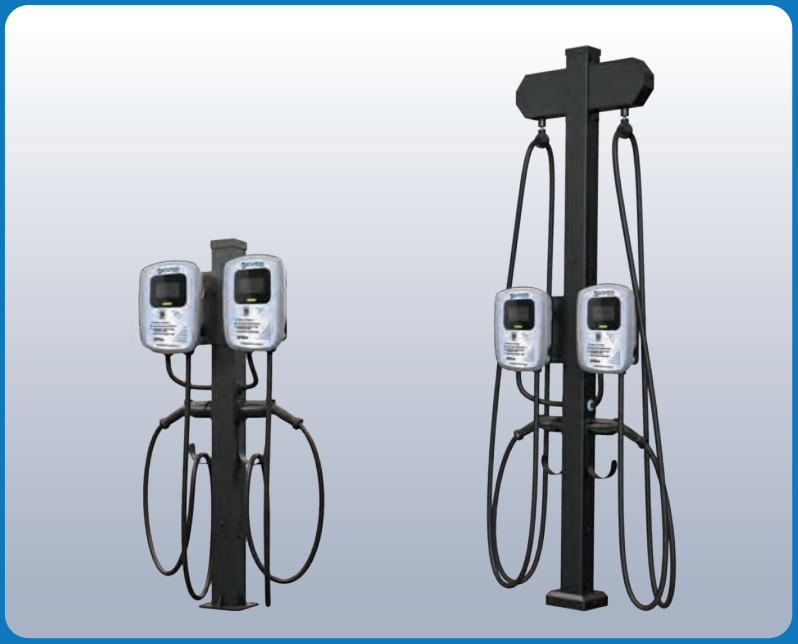
SPECS AT A GLANCE PER UNIT

OUTPUT POWER	19.2 KW @ 240V AC / 11.5 KW @ 240V AC
OUTPUT CURRENT	48A / 80A
INPUT VOLTAGE	208-240V AC
STANDARD CONNECTOR	SAE J1772 TYPE1
CABLE LENGTH	18FT
CONNECTOR QTY	SINGLE (PER UNIT)
CONNECTIONS	RJ45, 4G, ETHERNET, WI-FI
POWER SELECTABLE	YES

CERTIFICATIONS

Intertek, ENERGY STAR, FC

BABA COMPLIANT



TECHNICAL SPECS

INPUT	Voltage Rating	1Φ200-240Vac
	Wiring	Hardwired
	Max. Input Current	48A / 80A @208-240Vac
	Input Protection	UVP, OVP, SPD, RCD, Ground Fault Protection,
OUTPUT	Max. Output Power	AC 11.5kW / 19.2 kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	208 ±10% or 240V AC ±10%
	Maximum Output Current	11.5kW / 19.2 kW
	Output Protection	UVP, OVP, OCP, OTP, SPD, RCD, Ground Fault Protection, Control Pilot Fault Protection
POWER MODULE	Power Factor	0.99
	Efficiency	>96%
	Cooling	Passive
	Standby Power	< 5W
	Electrical Isolation	Input and Output Isolation
	Internal Protection	OVP, UVP, OCP, RCD, (CCID 20), Ground Fault Protection
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Single
	Supported Connector Types	SAE J1772 Type 1 / NACS (Optional)
	Cable Lengths	18 ft / 25 ft (Optional)
	Display	4.3 Inch LCD Display

USER CONTROL	Communication	4G Cellular, Ethernet, Wifi
	Back-end Support	OCPP 1.6 JSON
	User Authentication	RFID, QR Code
ENERGY MANAGE-MENT	Remote Load Management	Via OCPP 1.6 JSON
SAFETY RATINGS AND CERTIFICA-TIONS	Safety	UL2231, UL2594
	FCC Compliant	YES
	Ingress Protection	Charger: IP65, Cable: IP54, NEMA 3
	Anti-Vandalism	IK08,excluding LCD & RFID
	Dedicated Breaker Rating	60 A / 100 Amp
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,561 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	13.4 x 4.4 x 18.5 inch
	Weight	18.1 / 19.8 Lbs per unit

EVC/D040P
EVC/D060P

Level 3 Pedestal/Wall Mount DC Fast Charger

DC

SPECS AT A GLANCE

OUTPUT POWER	40KW/60KW
INPUT VOLTAGE	480V AC
WIRING	L1, L2, L3, NEUTRAL & PE
STANDARD CONNECTOR	CCS1 & NACS
CABLE LENGTH	25FT
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET
POWER SELECTABLE	YES

CERTIFICATIONS

Intertek

BABA COMPLIANT

FEATURES

WIDE COVERAGE: One size supports 40kw, 60kw models; Ports CCS1 & NACS

FLEXIBLE INSTALLATION: Slim size 5.91inch depth. Pedestal mounting and bracket 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.

TECHNICAL SPECS

INPUT	Voltage Rating	3Φ480Vac
	Wiring	L1, L2, L3, Neutral & PE
	Max. Input Current	49A / 73A
	Input Protection	OVP, OPP, UVP, SPD
OUTPUT	Max. Output Power	DC 40 kW / 60 kW
	Voltage Accuracy	±0.5%
	Current Accuracy	±1%
	Output Voltage Range	200Vdc ~1000Vdc
	Maximum Output Current	125A / 200A
	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
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Dual
	Supported Connector Types	CCS1 & NACS
	Cable Lengths	25 ft
	Display	7 Inch LCD Display

ENERGY MANAGEMENT	Output Power Management	Support configurable
	Simultaneously Output Mode	0% , 50% , 100% *
	Remote Load Management	Via OCPP 1.6 JSON
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202,UL2231
	FCC Compliant	YES
	Energay Star(Espen)	Ongoing
	Ingress Protection	IP54, Type 3R
	Anti-Vandalism	IK10, excluding LCD & RFID
	Dedicated Breaker Rating	100A Molded Case Circuit Breaker
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	5%~95% RH, non-condensing
	Acoustic Noise (dB(A)	≤85dB(A) Pout,Rt=25°C
	Altitude	< 6,560 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	25.6 x 5.9 x 41.3 inch
	Weight	203 / 223 Lbs

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EVC/D060(120)(180) Level 3 Stand Alone DC Fast Chargers

DC

SPECS AT A GLANCE

OUTPUT POWER	DC 60KW / 120 KW / 180 KW
OUTPUT CURRENT	120A@150VDC ~ 500VDC / 63A @ 950VDC 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

Intertek ENERGY STAR CTEP Certified FC

BABA COMPLIANT

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	78A / 155A / 233A
	Input Protection	OVP, OPP, UVP, SPD, OCP, OTP
OUTPUT	Max. Output Power	DC 60 kW / 120 kW / 180 kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	150Vdc ~950Vdc
	Maximum Output Current	63A / 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
FUNCTIONAL INTERFACES	Max. Connectors per Unit	Single
	Supported Connector Types	CCS1, J3400 NACS
	Cable Lengths	25 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	100A / 200A / 300A (B Curve Type)
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,560 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	**60kW** - 27.5 x 13.03 x 70.9 inch **120/180 kW** - 31.5 x 25.6 x 74.8 Inches
	Weight	**60kW** - 518 lbs **120/180 kW** - 1102 lbs

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EVC/D160

Level 3 DC Fast Charger with Display

DC

SPECS AT A GLANCE

OUTPUT POWER	160KW
INPUT VOLTAGE	480V AC
WIRING	L1, L2, L3 & PE
CONNECTORS	CCS1
CABLE LENGTHS	16 FT
CONNECTOR QTY	DUAL
NETWORK CONNECTIONS	4G, ETHERNET
	YES

CERTIFICATIONS

Intertek

ENERGY STAR

CTEP Certified

FC

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	480Vac
	Wiring	3P+PE
	Input Protection	OVP, OCP, OPP, OTP, UVP, SPD
OUTPUT	Max. Output Power	DC 480kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	50~1000Vdc
	Maximum Output Current	Natural Cooling CCS1/NACS 350A
	Output Protection	SCP, OCP, OVP, LVP, OTP, IMD
POWER MODULE	Power Factor	> 0.99
	Efficiency	0.96
	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. Conn. per Dispenser	Dual
	Supported Connector Types	CCS1,NACS
	Cable Lengths	350A Natural-Cooled CCS1 15 ft, 350A NACS 15 ft (Optional)
	Display	15 inch Touchscreen
ENERGY MANAGEMENT	Output Power Management	Support configurable
	Simultaneously Output Mode	Dynamic Load distribution

ENERGY MANAGEMENT	Remote Load Management	OCPP1.6J/OCPP2.0.1
SAFETY RATINGS AND CERTIFICATIONS	Safety	UL2202, UL2231
	FCC Compliant	Yes
	Energay Star	Yes
	ISO 15118	Yes
	CTEP	Yes
	Ingression Protection	NEMA3R
	Anti-vandalism	IK10
	Recommended Breaker	400A Molded Case Circuit Breaker
ENVIRONMENTAL CONDITIONS	Operation Temperature	-22 to 122°F
	Storage Temperature	-40 to 158°F
	Relative Humidity	5%~95% RH, non-condensing
	Acoustic Noise (dB(A)	60dB
	Altitude	≤ 2000m(6560 ft)
MECHANICAL SPECIFICATIONS	Dimensions (WxDxH inch)	74.80*33.46*22.83In, 1900*850*580mm
	Weight (typ.)	798 lb

REBATE

CAL eVIP

BUILDING EV INFRASTRUCTURE

www.EspenEV.com

EVC/D240

Level 3 DC Fast Charger with Display

DC

SPECS AT A GLANCE

OUTPUT POWER	DC 240KW
OUTPUT CURRENT	252A @ 950VDC
INPUT VOLTAGE	3Φ480V AC(+10%,-15%)
STANDARD CONNECTOR	CCS1
CABLE LENGTH	15 FT NATURAL COOLING CABLE
CONNECTOR QTY	DUAL
CONNECTIONS	4G, ETHERNET, WIFI
POWER SELECTABLE	YES

CERTIFICATIONS

Intertek

ENERGY STAR

CTEP Certified

FC

FEATURES

FAST CHARGING: Delivers up to 240 kW (254 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: Extra Large 21.5 Inch LCD Touch Screen display. RFID, QR code and Plug'n'Charge activation.

REVENUE GRADE METER: Accurate Energy Metering compliant with CTEP/NTEP Standards.

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 (Wye configuration)
	Max. Input Current	310A
	Input Protection	OVP, OPP, UVP, SPD, OCP, OTP
OUTPUT	Max. Output Power	DC 240 kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	200Vdc ~950Vdc
	Maximum Output Current	240A
	Output Protection	SCP, OCP, OVP, LVP OTP, IMD
POWER MODULE	Power Factor	> 0.99
	Efficiency	> 94%, at optimize V/I point
	Cooling	Natural Air / Liquid Cooling (Optional)
	Standby Power	< 150W
	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 / J3400 NACS (Optional)
	Cable Lengths	15 FT / 23 FT (Optional)
	Display	21.5 Inch Media Touch Screen Display

USER CONTROL	Communication	4G Cellular, Ethernet, Wifi
	Back-end Support	OCPP 1.6 JSON, OCPP 2.0.1
	User Authentication	RFID, QR Code, Mobile App, Contact-less Credit Card Reader
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	400A (B Curve Type)
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,560 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	35.2 x 26 x 86.6 Inches
	Weight	1102 lbs

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EVC/D360(480)

Level 3 DCFC Power Cabinet and Dispenser Combo

DC

SPECS AT A GLANCE

OUTPUT POWER	DC 360KW / 480 KW
OUTPUT CURRENT	500A-CCS1 LIQ. COOL / 375A-CCS1 / 350A-NACS
INPUT VOLTAGE	3Φ480V AC(+10%,-15%)
STANDARD CONNECTOR	CCS1 (STANDARD)
CABLE LENGTH	15 FT NATURAL COOLING CABLE
CONNECTOR QTY	(1, 2 OR 3) DUAL HANDLE DISPENSERS
CONNECTIONS	4G, ETHERNET, WIFI
POWER SELECTABLE	YES

CERTIFICATIONS

Intertek

ENERGY STAR

CTEP Certified

FC

FEATURES

FAST CHARGING: Delivers up to 480 kW (254 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: Extra Large 21.5 Inch LCD Touch Screen display. RFID, QR code and Plug'n'Charge activation.

REVENUE GRADE METER: Accurate Energy Metering compliant with CTEP/NTEP Standards.

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.

CABLE MANAGEMENT: Standard Cable Management System.

TECHNICAL SPECS

INPUT	Voltage Rating	3Φ480Vac(+10%,-15%)
	Wiring	**POWER CABINET** - 3P+ N+ PE (Wye config.) **DISPENSER** - 1Φ277 (+10%, -15%)
	Max. Input Current	549A / 732A
	Input Protection	OVP, OPP, UVP, SPD, OCP, OTP, RCD
OUTPUT	Max. Output Power	DC 360 kW / 480 kW
	Voltage Accuracy	±2%
	Current Accuracy	±2%
	Output Voltage Range	150Vdc ~950Vdc
	Maximum Output Current	500A
	Output Protection	SCP, OCP, OVP, LVP OTP, IMD
POWER MODULE	Power Factor	> 0.99
	Efficiency	> 94%, at optimize V/I point
	Cooling	Natural Air or Liquid Cooling
	Standby Power	< 150W
	Electrical Isolation	Isolation between Input and Output
	Internal Protection	OTP, AC/DC contactor detection, Fuse detection
FUNCTIONAL INTERFACES	Max. Conn. per Dispenser	(1, 2 or 3) Dual handle Dispensers
	Supported Connector Types	CCS1 / J3400 NACS (Optional)
	Cable Lengths	15 FT / 13 FT (Optional)
	Display	21.5 Inch Media Touch Screen Display

USER CONTROL	Communication	4G Cellular, Ethernet, Wifi
	Back-end Support	OCPP 1.6 JSON, OCPP 2.0.1
	User Authentication	RFID, QR Code, Mobile App, Contact-less Credit Card Reader
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	400A (B Curve Type)
ENVIRONMENTAL CONDITIONS	Operational Temperature	-22°F - 122°F
	Storage Temperature	-40°F - 158°F
	Relative Humidity	MAX 95% RH, non-condensing
	Altitude	< 6,560 FT (2000m)
MECHANICAL SPECIFICATIONS	Dimensions	**DISPENSER** - 24 x 17 x 97 Inches **360 kW CABINET** - 55 x 31.5 x 74.75 **480 kW CABINET** - 59 x 31.5 x 77.4
	Weight	**DISPENSER** - 662 lbs **360 kW CABINET** - 2645 lbs **480 kW CABINET** - 2866 lbs

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EVC PEDESTAL MOUNTING & CABLE MANAGEMENT

Level 2 AC Chargers

Compatible with:

EVC/A48S
EVC/A80S
EVC/A48/S2
EVC/A48/S2X2

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/S2S

DUAL SIDE-BY-SIDE 90.4" PEDESTAL & CABLE MNGT.

Compatible with:

EVC/A48X2

EVA/PED/55D/S2S

DUAL SIDE-BY-SIDE 55" PEDESTAL

Level 3 DC Chargers

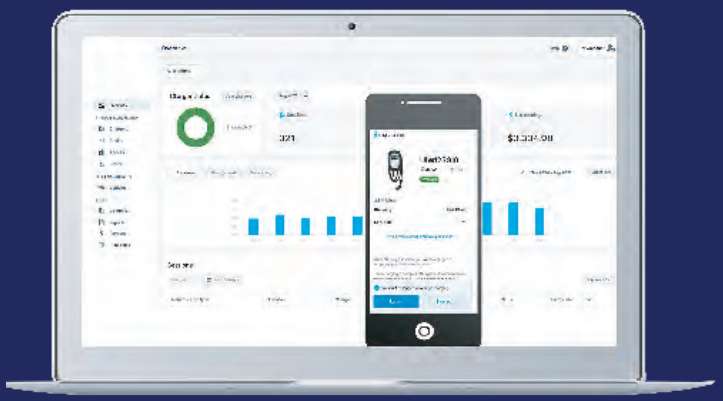
Compatible with:

EVC/D060
EVC/D120
EVC/D180

15 FT & 13 FT Cable Management System

23 FT Cable Management System

EV CLOUD OPERATIONS PLATFORM



	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

EV Charger Standard Two-Year Warranty Statement

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.

ESPEN™
TECHNOLOGY

EspenEV.com

Powerful EV Charging Solutions

ESEV0825

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