

Fullwatt®

Fullwatt®

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FWT 24-EV01

EV
Charger
Series



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F-EVE-VCA
Portable EV Charger



Scheduled Charging

Features

-  Temperature monitoring
-  IP66 rated for indoor/outdoor applications
-  Power regulation
-  LCD display screen



Technical Data

Model	F-EVE-VCA-03	F-EVE-VCA-07
Input		
Power Supply	1P+N+PE	
Phase	Single Phase	
Rated Input Voltage [V]	AC230	
Rated Current [A]	16 (13, 10 adjustable)	32 (16, 13, 10 adjustable)
Output		
Output Voltage [V]	AC230	
Maximum Current [A]	16 (13, 10 adjustable)	32 (16, 13, 10 adjustable)
Rated Output Power [KW]	3.7 (MAX)	7.4 (MAX)
Specification		
FIRE rating	UL94-V0	
Ingress Protection	IP54 (Plug) / IP66 (control box)	
Resistance Voltage [V]	Between L-N and PE, 2000AC	
Insulation resistance [MΩ]	>1000 (DC500V)	
Cable specification	3*2.5mm ² +1*0.5mm ²	3*6mm ² +1*0.5mm ²
Contact resistance [Ω]	<0.5	
Configuration		
Electric plug (to electricity)	16A Schuko Plug	32A single-phase CEE Plug
Output Connector (to car)	TPU Cable + EU Type2 Plug	
Cable Length [m]	5	
Material	PC (control box) , PA66 (Plug)	
Charging Status Indicator	Three color LED	
Display of Charging Status	LCD	
Charging Mode	Plug in and charge	
Safety		
Protection	Overcurrent Protection, Ground Protection, Over/Under Voltage Protection, Over Temperature Protection	
Ground fault detection	AC30mA+DC6mA	
Surge Protection	4kV @2500A	
Generation Information		
Installation	Portable/Wall-mount	
Operation Temperature [°C]	-30~+50	
Storage temperature [°C]	-40~+85	
Operation Humidity	5%~95%	
Operation Altitude [m]	<2000	
Warranty [year]	2	
Package Dimension (L*W*H) [mm]	375*375*100 (1 PCS)	
Weight [kg]	2.6	3.2
Certification	CE, RoHS	







F-EVE-VCB
Portable EV Charger



**11KW High-power
Fast Charging**

Features

-  Excellent industrial design brings pleasant user experience.
-  LCD display screen
-  Built-in Chip Upgrade
-  Power regulation
-  IP66 rated for indoor/outdoor applications
-  Predictable charging
-  Plug and play, supporting APP Bluetooth, WiFi connection



Technical Data

Model	F-EVE-VCB-11	F-EVE-VCB-22
Input		
Power Supply	3P+N+PE	
Phase	Three Phase	
Rated Input Voltage [V]	AC400	
Rated Current [A]	16(13 ,10 ,8 ,6 adjustable)	32(25 ,20 ,16 ,13 ,10 ,8 ,6 adjustable)
Output		
Output Voltage [V]	AC400	
Maximum Current [A]	16(13 ,10 ,8 ,6 adjustable)	32(25 ,20 ,16 ,13 ,10 ,8 ,6 adjustable)
Rated Output Power [KW]	11(MAX)	22(MAX)
Specification		
FIRE rating	UL94-V0	
Ingress Protection	IP54 (Plug) / IP66 (control box)	
Resistance Voltage [V]	Between L-N and PE,2000AC	
Insulation resistance [MΩ]	>1000(DC500V)	
Cable specification	5*2.5mm ² +1*0.5mm ²	5*6mm ² +1*0.5mm ²
Contact resistance [Ω]	<0.5	
Configuration		
Electric plug (to electricity)	16A three-phase CEE Plug	32A three-phase CEE Plug
Output Connector (to car)	TPU Cable + EU Type2 Plug	
Cable Length [m]	5	
Material	PC (control box) , PA66 (Plug)	
Charging Status Indicator	Three color LED	
Display of Charging Status	LCD	
Charging Mode	Plug in and charge	
Safety		
Protection	Overcurrent Protection,Ground Protection, Over/Under Voltage Protection, Over Temperature Protection	
Ground fault detection	AC30mA+DC6mA	
Surge Protection	4kV @2500A	
Generation Information		
Installation	Portable/Wall-mount	
Operation Temperature [°C]	-30~+50	
Storage temperature [°C]	-40~+85	
Operation Humidity	5%-95%	
Operation Altitude [m]	<2000	
Warranty [year]	2	
Package Dimension(L*W*H) [mm]	375*375*135(1PCS)	
Weight [kg]	3.2	
Certification	CE, RoHS	









F-EVE-PCA
Wallbox EV Charger



**Stand-alone Display Scheduled
Charging Status Via Lights**

Features

-  leakage protector: AC+DC6mA
-  Support reservation charging/power adjustment
-  IP65 rated for indoor/outdoor applications
-  RFID function for residential application
-  Complies with the OCPP1.6J protocol
-  Optional Ethernet/ 485 interfaces/Dynamic load balance for business applications

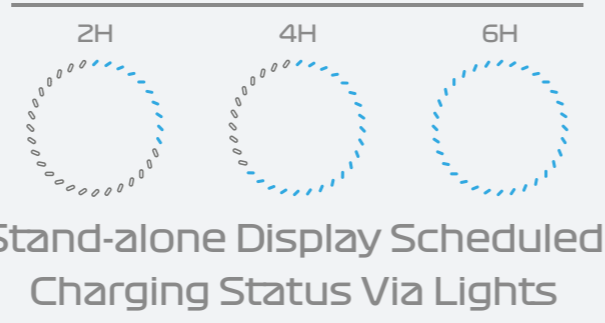


Technical Data

Model	F-EVE-PCA-07	F-EVE-PCA-11	F-EVE-PCA-22
Input			
Power Supply	1P+N+PE	3P+N+PE	
Phase	Single Phase	Three Phase	
Rated Input Voltage [V]	AC230	AC400	
Rated Current [A]	32	16	32
Output			
Output Voltage [V]	AC230	AC400	
Maximum Current [A]	32	16	32
Rated Output Power [KW]	7.4	11	22
Specification			
FIRE rating	UL94-V0		
Ingress Protection	IP54 (plug) / IP65 (Wall box)		
Resistance Voltage [V]	Between L-N and PE,2000AC		
Insulation resistance [MΩ]	>1000MΩ (DC500V)		
Cable specification	3*6mm ² +1*0.5mm ²	5*2.5mm ² +0.5mm ²	5*6mm ² +0.5mm ²
Contact resistance [Ω]	<0.5Ω		
Configuration			
Electric plug (to electricity)	32A CEE Plug	16A Three-Phase CEE Plug	32A Three-Phase CEE Plug
Output Connector (to car)	TPU Cable + EU Type2 Plug		
Cable Length	5M		
Material	PC+ASA		
Charging Mode	Plug in and charge		
Safety			
Protection	Overcurrent Protection,Ground Protection, Over/Under Voltage Protection, Over Temperature Protection		
Ground fault detection	AC30mA+DC6mA		
Surge Protection	4kV @2500A		
Generation Information			
Installation	Wall-mount/Pole-mount(Optional)		
Operation Temperature [°C]	-25~+50		
Storage temperature [°C]	-40~+85		
Operation Humidity	5%-95%		
Operation Altitude[m]	<2000		
Warranty[year]	2 year		
Package Dimension(L*W*H) [mm]	445*345*190 (1 PCS)		
Weight [kg]	4.7	5	5.3
Certification	CE, RoHS		








F-EVE-PSA
Wallbox EV Charger



Stand-alone Display Scheduled
Charging Status Via Lights

Features

-  leakage protector: AC+DC6mA
-  Support reservation charging/power adjustment
-  RFID function for residential application
-  Complies with the OCPP1.6J protocol
-  Optional Ethernet/ 485 interfaces/Dynamic load balance for business applications



Technical Data

Model	F-EVE-PSA-07	F-EVE-PSA-11	F-EVE-PSA-22
Input			
Power Supply	1P+N+PE	3P+N+PE	
Phase	Single Phase	Three Phase	
Rated Input Voltage [V]	AC230	AC400	
Rated Current [A]	32	16	32
Output			
Output Voltage [V]	AC230	AC400	
Maximum Current [A]	32	16	32
Rated Output Power [KW]	7.4	11	22
Specification			
FIRE rating	UL94-V0		
Ingress Protection	IP54		
Resistance Voltage [V]	Between L-N and PE,2000AC		
Insulation resistance [MΩ]	>1000 (DC500V)		
Cable specification	3*6mm ² +1*0.5mm ²	5*2.5mm ² +0.5mm ²	5*6mm ² +0.5mm ²
Contact resistance [Ω]	<0.5		
Configuration			
Electric plug (to electricity)	32A CEE Plug	16A Three-Phase CEE Plug	32A Three-Phase CEE Plug
Output Connector (to car)	Socket		
Cable Length	5M		
Material	PC+ASA		
Charging Mode	Plug in and charge		
Safety			
Protection	Overcurrent Protection,Ground Protection, Over/Under Voltage Protection, Over Temperature Protection		
Ground fault detection	AC30mA+DC6mA		
Surge Protection	4kV @2500A		
Generation Information			
Installation	Wall-mount/Pole-mount(Optional)		
Operation Temperature [°C]	-25~+50		
Storage temperature [°C]	-40~+85		
Operation Humidity	5%-95%		
Operation Altitude [m]	<2000		
Warranty [year]	2		
Package Dimension(L*W*H) [mm]	410*345*170 (1 PCS)		
Weight [kg]	3.2	3.4	3.6
Certification	CE, RoHS		



AM Series

F-EVA-VCA
Portable EV Charger



Scheduled Charging

Features

-  Temperature monitoring
-  IP66 rated for indoor/outdoor applications
-  Power regulation
-  LCD display screen



Technical Data

Model	F-EVA-VCA-03	F-EVA-VCA-07
Input		
Power Supply	2P+PE	
Phase	Single Phase	
Rated Input Voltage [V]	AC240	
Rated Current [A]	16 (13, 10 adjustable)	32 (16, 13, 10 adjustable)
Output		
Output Voltage [V]	AC240	
Maximum Current [A]	16 (13, 10 adjustable)	32 (16, 13, 10 adjustable)
Rated Output Power [KW]	3.8 (MAX)	7.6 (MAX)
Specification		
FIRE rating	UL94-V0	
Ingress Protection	IP54 (Plug) / IP66 (control box)	
Resistance Voltage [V]	Between L-N and PE, 2000AC	
Insulation resistance [MΩ]	>1000 (DC500V)	
Cable specification	3*14AWG+1*16AWG	3*10AWG+1*16AWG
Contact resistance [Ω]	<0.5	
Configuration		
Electric plug (to electricity)	5-15P/ 6-20P Plug	14-50P Plug
Output Connector (to car)	TPE Cable +AM Type1 Plug	
Cable Length [m]	5	
Material	PC (control box) , PA66 (Plug)	
Charging Status Indicator	Three color LED	
Display of Charging Status	LCD	
Charging Mode	Plug in and charge	
Safety		
Protection	Overcurrent Protection, Ground Protection, Over/Under Voltage Protection, Over Temperature Protection	
Ground fault detection	CCID20	
Surge Protection	4kV @2500A	
Generation Information		
Installation	Portable/Wall-mount	
Operation Temperature [°C]	-30~+50	
Storage temperature [°C]	-40~+85	
Operation Humidity	5%-95%	
Operation Altitude [m]	<2000	
Warranty [year]	2	
Package Dimension (L*W*H) [mm]	375*375*100 (1 PCS)	
Weight [kg]	2.6	3.2
Certification	FCC, RoHS	



AM Series

F-EVA-VCB
Portable EV Charger



CCID20 Leakage Protection

Features

- Excellent industrial design brings pleasant user experience.
- LCD display screen
- Built-in Chip Upgrade
- Power regulation
- IP66 rated for indoor/outdoor applications
- Predictable charging
- Plug and play, supporting APP Bluetooth, WiFi connection



Technical Data

Model	F-EVA-VCB-09	F-EVA-VCB-11
Input		
Power Supply	2P+PE	
Phase	Single Phase	
Rated Input Voltage [V]	AC240	
Rated Current [A]	40 (32,16,10,8 adjustable)	48 (32,16,10,8 adjustable)
Output		
Output Voltage [V]	AC240	
Maximum Current [A]	40 (32,16,10,8 adjustable)	48 (32,16,10,8 adjustable)
Rated Output Power [KW]	9.6 (MAX)	11 (MAX)
Specification		
FIRE rating	UL94-V0	
Ingress Protection	IP54 (Plug) / IP66 (control box)	
Resistance Voltage [V]	Between L-N and PE,2000AC	
Insulation resistance [MΩ]	>1000 (DC500V)	
Cable specification	2*9AWG+1*10AWG+1*16AWG	2*8AWG+1*10AWG+1*16AWG
Contact resistance [Ω]	<0.5	
Configuration		
Electric plug (to electricity)	14-50P Plug	
Output Connector (to car)	TPE Cable +AM Type1 Plug	
Cable Length [m]	5	
Material	PC (control box) , PA66 (Plug)	
Charging Status Indicator	Three color LED	
Display of Charging Status	LCD	
Charging Mode	Plug in and charge	
Safety		
Protection	Overcurrent Protection,Ground Protection, Over/Under Voltage Protection, Over Temperature Protection	
Ground fault detection	CCID20	
Surge Protection	4kV @2500A	
Generation Information		
Installation	Portable/Wall-mount	
Operation Temperature [°C]	-30~+50	
Storage Temperature [°C]	-40~+85	
Operation Humidity	5%-95%	
Operation Altitude [m]	<2000	
Warranty [year]	2	
Package Dimension(L*W*H) [mm]	375*375*135 (1 PCS)	
Weight [kg]	3.0	3.2
Certification	FCC, RoHS	









AM Series

F-EVA-PCA
Wallbox EV Charger



**11KW High-power
Fast Charging**

Features

-  leakage protector: AC+DC6mA
-  Support reservation charging/power adjustment
-  IP65 rated for indoor/outdoor applications
-  RFID function for residential application
-  Complies with the OCPP1.6J protocol
-  Optional Ethernet/ 485 interfaces/Dynamic load balance for business applications



Technical Data

Model	F-EVA-PCA-07	F-EVA-PCA-09	F-EVA-PCA-11
Input			
Power Supply	2P+PE		
Phase	Single Phase		
Rated Input Voltage [V]	AC240		
Rated Current [A]	32 (16,10,8 adjustable)	40 (32,16,10,8 adjustable)	48 (32,16,10,8 adjustable)
Output			
Output Voltage [V]	AC240		
Maximum Current [A]	32 (16,10,8 adjustable)	40 (32,16,10,8 adjustable)	48 (32,16,10,8 adjustable)
Rated Output Power [KW]	7.6 (Max)	9.6 (Max)	11 (Max)
Specification			
FIRE rating	UL94-V0		
Ingress Protection	IP54 (Plug) / IP65 (control box)		
Resistance Voltage [V]	Between L-N and PE,2000AC		
Insulation resistance [MΩ]	>1000 (DC500V)		
Cable specification	3*14AWG+1*18AWG	2*9AWG+1*10AWG+1*18AWG	2*8AWG+1*10AWG+1*18AWG
Contact resistance [Ω]	<0.5		
Configuration			
Output Connector (to car)	TPU Cable + AM Type1 Plug		
Cable Length [m]	5		
Material	PC+ASA		
Charging Status Indicator	Three color LED		
Charging Mode	Plug&Play/RFIDNFC/APP		
Safety			
Protection	Over current protection, Residual current protection,Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection,Over temperature protection		
Leakage Current Protection	CCID20		
Surge Protection	4kV @2500A		
Generation Information			
Installation	Wall-mount/Pole-mount(Optional)		
Operation Temperature [°C]	-30~+50		
Storage temperature [°C]	-40~+85		
Working Humidity	5%-95%		
Operation Altitude [m]	<2000		
Warranty [year]	2		
Package Dimension(L*W*H) [mm]	445*345*190 (1 PCS)		
Weight [kg]	4.7	5	5.3
Certification	FCC, RoHS		






AM Series

F-EVA-PCZ
Wallbox EV Charger



CCID20 Leakage Protection

Features

-  Support reservation charging/power adjustment
-  RFID function for residential application
-  Optional wireless connection with Bluetooth /WiFi /4G for business applications



Technical Data

Model	F-EVA-PCZ-09	F-EVA-PCZ-11
Input		
Power Supply	2P+PE	
Phase	Single Phase	
Rated Input Voltage [V]	AC240	
Rated Current [A]	40 (32,16,10,8 adjustable)	48 (32,16,10,8 adjustable)
Output		
Output Voltage [V]	AC240	
Maximum Current [A]	40 (32,16,10,8 adjustable)	40 (32,16,10,8 adjustable)
Rated Output Power [KW]	9.6 (MAX)	11 (MAX)
Specification		
FIRE rating	UL94-V0	
Ingress Protection	IP54 (Plug) / IP55 (control box)	
Resistance Voltage [V]	Between L-N and PE,2000AC	
Insulation resistance [MΩ]	>1000 (DC500V)	
Cable specification	2*9AWG+1*10AWG+1*16AWG	2*8AWG+1*10AWG+1*16AWG
Contact resistance [Ω]	<0.5	
Configuration		
Output Connector (to car)	TPU Cable + AM Type1 Plug	
Cable Length [m]	5	
Material	PC+ABS	
Charging Status Indicator	Three color LED	
Charging Mode	Plug&Play/RFIDNFC/APP	
Safety		
Protection	Over current protection, Residual current protection,Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection,Over temperature protection	
Leakage Current Protection	CCID20	
Surge Protection	4kV @2500A	
Generation Information		
Installation	Wall-mount/Pole-mount(Optional)	
Operation Temperature [°C]	-30~+50	
Storage temperature [°C]	-40~+85	
Working Humidity	5%-95%	
Operation Altitude [m]	<2000	
Warranty [year]	2	
Package Dimension(L*W*H) [mm]	450*350*200 (1 PCS)	
Weight [kg]	4.5	
Certification	ETL	



Accessory

F-EVC
Accessory



Ergonomic Design For
Comfortable Grip And
Easy Insertion And Removal



Features

- TPU** Cable Tpu Material
Sun Resistant And Durable
- IP54** IP54 dustproof and waterproof grade
fearless of dust and rain and snow weather



Type2 to Type2 EV Charging Cable			
Model	F-EVC-T2-T2		
Highest Voltage [V]	AC230		AC400
Rated Output Power [KW]	3.7KW(MAX)	7.4KW(MAX)	11KW(MAX) 22KW(MAX)
Cable Length	5m		
Ingress Protection	IP54		
Operation Temperature [°C]	-30~+50		
Package Dimension (L*W*H)	395*395*435mm (4 PCS)		
Certification	CE, TUV, RoHS		

Type1 Cable	
Model	F-EVC-T1
Highest Voltage [V]	AC240
Cable Length	customizable
Ingress Protection	IP54
Operation Temperature [°C]	-30~+50
Certification	CE, TUV, RoHS

Type2 Cable	
Model	F-EVC-T2
Highest Voltage [V]	AC230/AC400
Cable Length	customizable
Ingress Protection	IP54
Operation Temperature [°C]	-30~+50
Certification	CE, TUV, RoHS



CCS2 Cable	
Model	F-EVC-C2
Highest Voltage [V]	1000
Cable Length	customizable
Ingress Protection	IP54
Operation Temperature [°C]	-30~+50
Certification	CE, TUV, RoHS

Accessory



Complete Accessories Range

Features

-  A more complete accessory range
-  Committed to providing a full range of solutions



Type2 to Type1 Adapter	
Model	F-EVR-T2-T1
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy,silver plated
Package Size [mm]	180*70*70
Weight [g]	361

Type1 to Type2 Adapter	
Model	F-EVR-T1-T2
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy,silver plated
Package Size [mm]	180*70*70
Weight [g]	413

Type1 to Tesla Adapter	
Model	F-EVR-T1-Te
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy,silver plated
Package Size [mm]	97*60*60
Weight [g]	194

Tesla to Type1 Adapter	
Model	F-EVR-Te-T1
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy,silver plated
Package Size [mm]	270*110*85
Weight [g]	527



Type2 to Tesla Adapter	
Model	F-EVR-T2-Te
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	180*70*70
Weight [g]	387



Tesla to Type2 Adapter	
Model	F-EVR-Te-T2
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	180*70*70
Weight [g]	420



GB/T to Type2 Adapter	
Model	F-EVR-GT-T2
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	180*70*70
Weight [g]	579



Type2 to GB/T Adapter	
Model	F-EVR-T2-GT
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	180*70*70
Weight [g]	357



CCS1 to Tesla Adapter	
Model	F-EVR-C1-Te
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	190*145*90
Weight [g]	819



CCS2 to Tesla Adapter	
Model	F-EVR-C2-Te
Current	16A/32A
Plug lifespan [times]	>10000
Case material	PA66+25%GF
Pin	Copper alloy, silver plated
Package Size [mm]	190*145*90
Weight [g]	836



EV Charging Pillar	
Model	F-EVN



230V-16A Adapter	
Model	F-EVR-E3-E1
Type	32A single-phase CEE plug to 16A plug

240V-16A Adapter	
Model	F-EVR-M6-M1
Type	32A single-phase NEMA 14-50P plug to 16A NEMA 5-15P/6-20P plug



Type2 Holder	
Model	F-EWW-HD-T2
Package Size [mm]	100*100*50
Weight [g]	138



Type1 Holder	
Model	F-EWW-HD-T1
Package Size [mm]	100*100*50
Weight [g]	125



Type2 Holder	
Model	F-EWW-CN-T2
Package Size [mm]	210*90*100
Weight [g]	247



Type1 Holder	
Model	F-EWW-CN-T1
Package Size [mm]	210*90*100
Weight [g]	249



Protective Charging Cable Bag	
Model	F-EVB-S5
Size [mm]	350*350*110
Weight [g]	278



Protective Charging Cable Bag	
Model	F-EVB-R5
Size [mm]	π*180*180*110
Weight [g]	247



ENVIRONMENTAL POLICY

Fullwatt realizes the importance to protect environment resources, selfconsciously meets environment protection requirements for products and regards it as the responsibility.

Thus, we have made the following environment strategic policy:

- 1.To meet customers'demands and obey the national and local laws and regulations as well as other environmental protection requirements.
- 2.Take environmental protection as one criterion for continuing development of our company. insist on fully development of quality, benefit and environmental protection.
- 3.Fully considering the factors which will influence the environment in the processes of product development, manufacturing, material usage and waste processing, establish management system of waste in order to improve the environment of our company.
- 4.To increase the employees' consciousness of environmental protection through training and to realize the continuing improvement of environment management system and the ability of environmental protection.
- 5.To make full use of resources and to decrease consumption of material in order to save energy.
- 6.To promise to our partners and society that we will make contribution to environment protection. There is only one Earth for our humanity.
- 7.To strive for making conservation-oriented and environment-friendly products through continuous innovation and developing new materials and technology.

