

Index of Fastcharge Floor Standing units

Ground mounted dual 7.4kW charger - FDF Single phase, Intelligent unit with GPRS communication and RFID activation	page 2
Ground mounted dual 22kW charger - F22 Three phase, Intelligent unit with GPRS communication and RFID activation	page 3
Ground mounted dual 7.4kW charger - FNCF Single phase key activated unit	page 4
Ground mounted dual 22kW charger - FNC22 Three phase key activated unit	page 5

Ground mounted dual 7.4kW charger Data sheet specifications - FDF

Floor mounted dual type 2 socket with single phase output per socket providing up to 7.4kW charging rates. Suitable for all mode 3 enabled electric vehicles. These intelligent units are managed remotely over the GPRS network or via Ethernet access to the internet and require the Chargevision or OCPP service to operate. Ideal for commercial locations, such as car parks, retail and business parks, hotels and fleet depots. A robust proven design for the Public or Commercial Sector and part of the 10,000 plus Chargemaster points already deployed.



- Charging cable locked to socket while charging
- Remote management & diagnostics
- Web access to usage information
- Carbon footprint and management reports
- Custom configuration with option for OCPP 1.5
- Approved Renault ZE Ready configuration available
- Payment options for Host Scheme

Charge Point Model	FDF - Floor Mounted, intelligent unit with GPRS communication FDFe - Floor Mounted, intelligent unit with Ethernet communication For ZE ready specification, add ZER to the above, e.g. FDF/ZER Add the standard colour code, BLACK or WHITE to the above, e.g. FDF/ZER/WHITE
Outlet Sockets	2 x EV Socket, Type 2, (EN62196)
Input Voltage	230v AC
Input Current	64A - Split load configuration for 2 x 32A
AC Charging Output	2 x 7.36kW (2 x 32A @ 230v) with option to downsize to 2 x 16A
Over Current Protection	2 x 40A MCBS
Safety Protection (RCD)	2 x 30mA Type A RCDs
Environmental Protection	IP54 (EN60529:1992 + A2:2013-08)
RFID Access Tag Standard	ISO / IEC 14443A
Control	'Mode 3' SELV DC & PWM control signaling, Conforming to ISO/IEC 61851-1 Annex B, validated by Nissan, Renault, Ford, BMW, PSA and Mitsubishi
Wireless Communications	GPRS Cellular Data Network Radio Equipment Directive
Network Communications Protocol	TCP/IP 2 way communication with secure central server, Full 'handshake' between charging post and server
Network Security	HTTPS, 128 bit encryption
Min Operating Temperature Range	- 20°C to +55°C (LCD Display remains fully operational at -20°C but may have a slower response below 0°)
Operating Humidity	To 95% RH Non-condensing
EMC Compliance	EN 61000-6-3:2007, EN 61000-6-2:2005
ESD Compliance	EN 60950
Safety Compliance	EN 61851-1:2001, EN 61851-21:2002, EN 61851-22:2002, IEC 62196-1, Low Voltage Directive (LVD) 2006/95/EC, EN 60950-1:2006 + A12, BS 7671 (IEE 17th Edition)
ZE READY	ZE 1.2 ready
OCPP	OCPP 1.5 compliant where option requested.
Pay As You Go Service	See the additional service description document
Warranty	See the Chargemaster standard warranty statement

Ground mounted dual 22kW charger Data sheet specifications - F22

Floor mounted dual type 2 socket with three phase output per socket providing up to 22kW charging rates. Suitable for all mode 3 enabled electric vehicles. These intelligent units are managed remotely over the GPRS network or via Ethernet access to the internet and require the Chargevision or OCPP service to operate. Ideal for commercial locations, such as car parks, retail and business parks, hotels and fleet depots. A robust proven design for the Public or Commercial Sector and part of the 10,000 plus Chargemaster points already deployed.



- Charging cable locked to socket while charging
- Remote management & diagnostics
- Web access to usage information
- Carbon footprint and management reports
- Custom configuration with option for OCPP 1.5
- Approved Renault ZE Ready configuration available
- Payment options for Host Scheme

Charge Point Model	F22 - Floor Mounted, intelligent unit with GPRS communication F22e - Floor Mounted, intelligent unit with Ethernet communication For ZE ready specification, add ZER to the above, e.g. F22/ZER Add the standard colour code, BLACK or WHITE to the above, e.g. F22/ZER/WHITE
Outlet Sockets	2 x EV Socket, Type 2, (EN62196)
Input Voltage	400v 3-Phase AC
Input Current	64A per Phase - Split load configuration for 2 x 32A per phase
AC Charging Output	2 x 22kW (2 x 32A 3 Phase) with option to downsize to 2 x 16A per phase
Over Current Protection	2 x 3 Phase 40A MCBS
Safety Protection (RCD)	2 x 30mA Type A RCDs
Environmental Protection	IP54 (EN60529:1992 + A2:2013-08)
RFID Access Tag Standard	ISO / IEC 14443A
Control	'Mode 3' SELV DC & PWM control signaling, Conforming to ISO/IEC 61851-1 Annex B, validated by Nissan, Renault, Ford, BMW, PSA and Mitsubishi
Wireless Communications	GPRS Cellular Data Network Radio Equipment Directive
Network Communications Protocol	TCP/IP 2 way communication with secure central server, Full 'handshake' between charging post and server
Network Security	HTTPS, 128 bit encryption
Min Operating Temperature Range	- 20°C to +55°C (LCD Display remains fully operational at -20°C but may have a slower response below 0°)
Operating Humidity	To 95% RH Non-condensing
EMC Compliance	EN 61000-6-3:2007, EN 61000-6-2:2005
ESD Compliance	EN 60950
Safety Compliance	EN 61851-1:2001, EN 61851-21:2002, EN 61851-22:2002, IEC 62196-1, Low Voltage Directive (LVD) 2006/95/EC, EN 60950-1:2006 + A12, BS 7671 (IEE 17th Edition)
ZE READY	ZE 1.2 ready
OCPP	OCPP 1.5 compliant where option requested.
Pay As You Go Service	See the additional service description document
Warranty	See the Chargemaster standard warranty statement

Ground mounted dual 7.4kW charger

Data sheet specifications - FNCF

Floor mounted dual type 2 socket with single phase output per socket providing up to 7.4kW charging rates. Suitable for all mode 3 enabled electric vehicles. These units are simply managed with a key or built in switch to start and end the charging session. Ideal for high activity commercial locations, such as car parks, retail and business parks, hotels and fleet depots where pay per use or carbon reports are not required. The key controlled unit could allow 2 users to have a dedicated metered socket each. A robust proven design for the Public or Commercial Sector and part of the 10,000 plus Chargemaster points already deployed.



- Charging cable locked to socket while charging
- Approved Renault ZE Ready configuration available
- Output can be configured for dual 3.7kW or dual 7.4kW

Charge Point Model	FNCF/K - Floor Mounted, non communicating unit, each socket is KEY operated to start and end the charging session FNCF/S - Floor Mounted, non communicating unit, each socket is Lever Switch operated to start and end the charging session For ZE ready specification, add ZER to the above, e.g. FNCF/K/ZER Add the standard colour code, BLACK or WHITE to the above, e.g. FNCF/ZER/WHITE
Outlet Sockets	2 x EV Socket, Type 2, (EN62196)
Input Voltage	230v AC
Input Current	64A - Split load configuration for 2 x 32A
AC Charging Output	2 x 7.36kW (2 x 32A @ 230v) with option to downsize to 2 x 16A
Over Current Protection	2 x 40A MCBS
Safety Protection (RCD)	2 x 30mA Type A RCDs
Environmental Protection	IP54 (EN60529:1992 + A2:2013-08)
Control	'Mode 3' SELV DC & PWM control signaling, Conforming to ISO/IEC 61851-1 Annex B, validated by Nissan, Renault, Ford, BMW, PSA and Mitsubishi
Min Operating Temperature Range	- 20°C to +55°C
Operating Humidity	To 95% RH Non-condensing
EMC Compliance	EN 61000-6-3:2007, EN 61000-6-2:2005
ESD Compliance	EN 60950
Safety Compliance	EN 61851-1:2001, EN 61851-21:2002, EN 61851-22:2002, IEC 62196-1, Low Voltage Directive (LVD) 2006/95/EC, EN 60950-1:2006 + A12, BS 7671 (IEE 17th Edition)
ZE READY	ZE 1.2 ready
Warranty	See the Chargemaster standard warranty statement

Ground mounted dual 22kW charger Data sheet specifications - FNC22

Floor mounted dual type 2 socket with three phase output per socket providing up to 22kW charging rates. Suitable for all mode 3 enabled electric vehicles. These units are simply managed with a key or built in switch to start and end the charging session. Ideal for high activity commercial locations, such as car parks, retail and business parks, hotels and fleet depots where pay per use or carbon reports are not required. The key controlled unit could allow 2 users to have a dedicated metered socket each. A robust proven design for the Public or Commercial Sector and part of the 10,000 plus Chargemaster points already deployed.



- Charging cable locked to socket while charging
- Approved Renault ZE Ready configuration available
- Output can be configured for dual 11kW or dual 22kW

Charge Point Model	FNC22/K - Floor Mounted, non communicating unit, each socket is KEY operated to start and end the charging session FNC22/S - Floor Mounted, non communicating unit, each socket is Lever Switch operated to start and end the charging session For ZE ready specification, add ZER to the above, e.g. FNC22/K/ZER Add the standard colour code, BLACK or WHITE to the above, e.g. FNC22/ZER/WHITE
Outlet Sockets	2 x EV Socket, Type 2, (EN62196)
Input Voltage	400v 3-Phase AC
Input Current	64A per Phase - Split load configuration for 2 x 32A per phase
AC Charging Output	2 x 22kW (2 x 32A 3 Phase) with option to downsize to 2 x 16A per phase
Over Current Protection	2 x 3 Phase 40A MCBS
Safety Protection (RCD)	2 x 30mA Type A RCDs
Environmental Protection	IP54 (EN60529:1992 + A2:2013-08)
Control	'Mode 3' SELV DC & PWM control signaling, Conforming to ISO/IEC 61851-1 Annex B, validated by Nissan, Renault, Ford, BMW, PSA and Mitsubishi
Min Operating Temperature Range	- 20°C to +55°C
Operating Humidity	To 95% RH Non-condensing
EMC Compliance	EN 61000-6-3:2007, EN 61000-6-2:2005
ESD Compliance	EN 60950
Safety Compliance	EN 61851-1:2001, EN 61851-21:2002, EN 61851-22:2002, IEC 62196-1, Low Voltage Directive (LVD) 2006/95/EC, EN 60950-1:2006 + A12, BS 7671 (IEE 17th Edition)
ZE READY	ZE 1.2 ready
Warranty	See the Chargemaster standard warranty statement