HIGH FREQUENCY BATTERY CHARGER

CHARBES

three-phase high-frequency battery charger F40F/F44F/F22F

NEW "CHARBES" Released

"CHARBES" has released

[Patent – 101707477]

Introducing the state-of-the-art high-frequency charger "CHARBES"

High Frequency Battery Chargers "CHARBES"

Applicable equipment : Electric forklift, Low speed electric car, Electric tow truck, Vacuum cleaner, Electric boat, Electric golf cart

[MODEL : F40F48100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V, 400V
DC output	48V.d.c / 100A	
Battery(Range)	DC48V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F12100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V, 400V
DC output	12V.d.c, 100A	
Battery(Range)	DC12V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F24100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	24V.d.c, 100A	
Battery(Range)	DC24V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F36100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	36V.d.c, 100A	
Battery(Range)	DC36V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F6080]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	60V.d.c, 80A	
Battery(Range)	DC60V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F7266]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	72V.d.c, 66A	
Battery(Range)	DC72V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F8060]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	80V.d.c, 60A	
Battery(Range)	DC80V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F8457]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	84V.d.c, 57A	
Battery(Range)	DC84V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F9053]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	90V.d.c, 53A	
Battery(Range)	DC90V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F40F9650]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	400V3~, 50/60Hz, 4.8kW	3-phase electric 380V. 400V
DC output	96V.d.c, 50A	
Battery(Range)	DC96V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

Introducing the state-of-the-art high-frequency charger "CHARBES"

High Frequency Battery Chargers "CHARBES"

Applicable equipment : Electric forklift, Low speed electric car, Electric tow truck, Vacuum cleaner, Electric boat, Electric golf cart

[MODEL : F44F48100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	48V.d.c / 100A	
Battery(Range)	DC48V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F12100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	12V.d.c, 100A	
Battery(Range)	DC12V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F24100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	24V.d.c, 100A	
Battery(Range)	DC24V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F36100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	36V.d.c, 100A	
Battery(Range)	DC36V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F6080]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	60V.d.c, 80A	
Battery(Range)	DC60V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F7266]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	72V.d.c, 66A	
Battery(Range)	DC72V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F8060]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	80V.d.c, 60A	
Battery(Range)	DC80V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F8457]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	84V.d.c, 57A	
Battery(Range)	DC84V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F9053]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	90V.d.c, 53A	
Battery(Range)	DC90V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F44F9650]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	440V3~, 50/60Hz, 4.8kW	3-phase electric 440V
DC output	96V.d.c, 50A	
Battery(Range)	DC96V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

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High Frequency Battery Chargers "CHARBES"

Applicable equipment : Electric forklift, Low speed electric car, Electric tow truck, Vacuum cleaner, Electric boat, Electric golf cart

[MODEL : F22F48100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	48V.d.c / 100A	
Battery(Range)	DC48V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F12100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	12V.d.c, 100A	
Battery(Range)	DC12V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F24100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	24V.d.c, 100A	
Battery(Range)	DC24V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F36100]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	36V.d.c, 100A	
Battery(Range)	DC36V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F6080]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	60V.d.c, 80A	
Battery(Range)	DC60V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F7266]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	72V.d.c, 66A	
Battery(Range)	DC72V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F8060]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	80V.d.c, 60A	
Battery(Range)	DC80V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F8457]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	84V.d.c, 57A	
Battery(Range)	DC84V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F9053]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	90V.d.c, 53A	
Battery(Range)	DC90V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

[MODEL : F22F9650]

Charger "CHARBES"	SPECIFICATION	Remarks
AC input	220V3~, 50/60Hz, 4.8kW	3-phase electric 220V
DC output	96V.d.c, 50A	
Battery(Range)	DC96V / Display (Battery capacity settings)	Lead Acid Battery
Charging time(HR)	Auto-time by capacity	Manual Control is possible
Size/Weight	Length(L) 505mm X Width(W) 310mm X Height(H) 140mm/11kg	
Input / Output Line	AC 3m / DC 2.9m	

Dedicated Charger for forklift and logistics equipment

"CHARBES" has released

CHARBES

For three-phase : F40F/F44F/F22F
[12V, 24V, 36V, 48V, 60V, 72V, 80V, 84V, 90V, 96V]

"CHARBES" High Frequency Battery Charger

※ With more convenience and more features, we are releasing 20 new green "CHARBES" F40F/F44/F22F categories simultaneously, with top priority on quality and safety.

Advantage of "CHARBES"

- Can check the state of charge and battery condition through the display.
- Easy to carry and install because it is lightweight, compact and silent.
- High-frequency saves maximized electricity and maximizes energy efficiency as maximum efficiency.
- Double battery life with fast and accurate charging.
- Self-diagnosis function for low voltage and overheating prevention
- It has many functions that are safe and convenient. When a problem occurs, the alarm sounds and text messages are activated simultaneously. (Please refer to the user manual for details.)

Meet "CHARBES" charging the forklift truck and transport car.

CHARBES

HIGH FREQUENCY BATTERY CHARGER

"More Practical
and convenient"

"CHARBES"
has released

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