



THE RANGE



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Battery Charger Overview



420 V

250 V

72/80 V

36/48 V

24 V

12 V



0,5
kW

0,7
kW

1
kW

3
kW

5
kW

9
kW

18
kW

36
kW

	12 V	24 V		
STD (A)	18	15		
Power (A)		20		



Dimensions [base plate]	150 l x 120 w x 54 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL V0
Switching frequency	150 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	3
Operating Temperature	-20°C to +50°C
Current absorbed by the battery	< 1mA



	12V	24 V		
Current (A)	35	30	-	-

Dimensions [base plate]	285 l x 105 w x 75 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL V0
Switching frequency	150 kHz
Input Voltage	230 Vac ± 10 % -
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	3
Operating Temperature	-20°C to +50°C
Current absorbed by the battery	< 1mA



	12 V	24 V	36 V	48 V
STD (A)		35		20
PRW (A)	60	45	25	25

Dimensions [base plate]	300 l x 160 w x 80 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL V0
Switching frequency	150 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	16
Operating Temperature	-20°C to +50°C
Current absorbed by the battery	< 1mA
External battery thermal probe	Optional
Auxiliary relay	2



	12 V	24 V	36 V	48 V
Current (A)	60	45	25	25

Dimensions [base plate]	300 l x 160 w x 80 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL V0
Switching frequency	100 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-20°C to +50°C
Current absorbed by the battery	< 1mA
Can bus communication	Yes
Display	Optional
Memory	Up to 1500 cycles



	12 V	24 V	36 V	48 V
Current (A)	100	100	70	60

Dimensions [base plate]	430 l x 220 w x 110 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL VO
Switching frequency	50 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	16
Operating Temperature	-20°C to +50°C
Current absorbed by the battery	< 1mA
External battery thermal probe	Optional
Auxiliary relay	2

NG3 CAN BUS



	12 V	24 V	36 V	48 V
Current (A)	100	100	70	60

Dimensions [base plate]	430 l x 220 w x 110 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL V0
Switching frequency	50 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-20°C to +50°C
Auxiliary relay	2
Can bus communication	Yes
Display	Optional
Memory	Up to 1500 cycles

NG5 NG 7 NG 9 Can BUS



	24 V	36 V	48 V	80 V
Current (A)	200	160	70	96

Dimensions [base plate]	545 l x 265 w x 115 h
Cooling	Forced ventilation
Protection	IP 20
Case	ABS UL VO
Switching frequency	20 kHz
Input Voltage	400 Vac ± 10 % - 480 Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-20°C to +50°C
Auxiliary relay	2
Can bus communication	Up to 2 channel
Display	Yes
Memory	Up to 255 cycles

NG5 NG 7 NG 9 METAL GENERATION



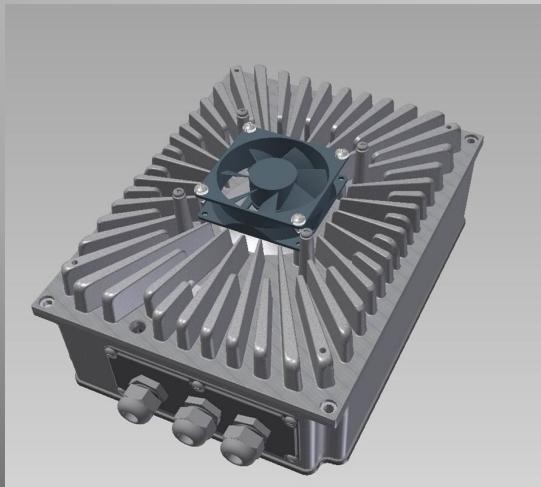
	24 V	36 V	48 V	80 V
Current (A)	200	160	70	96

Dimensions [base plate]	630 l x 417 w x 210 h
Cooling	Forced ventilation
Protection	IP 54
Case	Stainless steel
Switching frequency	20 kHz
Input Voltage	400 Vac ± 10 % - 480 Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-20°C to +50°C
Auxiliary relay	2
Can bus communication	Up to 2 channel
Display	Yes
Memory	Up to 255 cycles



	12 V	24 V	36 V	48 V
Current (A)	60	50	55	42

Dimensions [base plate]	250 l x 220 w x 90 h
Cooling	Conduction
Protection	IP 65
Case	Alluminium + ABS UL VO
Switching frequency	50 kHz
Input Voltage	230 Vac ± 10 % - 115Vac ± 10 %
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-30°C to +70°C
Auxiliary relay	1
Can bus comunication	Yes
Display	Optional
Memory	Up to 1500 cycles



Radial heat sink with fan

	24 V	36 V	48 V	72 V
Current (A)	95	64	60	45

Dimensions [base plate]	290 l x 220 w x 90/130 h
Cooling	Conduction
Protection	IP 65
Case	Alluminium + ABS UL V0
Switching frequency	50 kHz
Input Voltage	85- 240Vac
Accuracy on output voltage	± 0,5 %
Output short-circuit protection	Electronic
Inverse Polarity protection	Fuse
Adjustable curves	Infinite
Operating Temperature	-30°C to +70°C
Auxiliary relay	1
Can bus communication	Yes
Display	Optional
Memory	Up to 1500 cycles

NEW CURRENT GENERATOR CAN BUS



**It can be used as a
Current generator
as well as a
Battery Charger**

Voltage	Adjustable	from 2V	up to 96V nominal
Current (A)		50A	
Dimensions [base plate]			545 l x 265 w x 115 h
Cooling			Forced ventilation
Protection			IP 20
Case			ABS UL VO
Switching frequency			20 kHz
Input Voltage			400 Vac ± 15 % - 480 Vac ± 15 %
Accuracy on output voltage			± 0,5 %
Output short-circuit protection			Electronic
Inverse Polarity protection			Fuse
Adjustable curves			Infinite
Operating Temperature			-20°C to +50°C
Auxiliary relay			2
Can bus communication			Up to 2 channel
Display			Yes
Memory			Up to 255 cycles

POWER METAL GENERATION CAN BUS



	24 V	36 V	48 V	80 V
Dual (A)	400	340	290	160
Tri (A)	600	510	435	240
Quad (A)	800	680	580	320

Cooling	Forced ventilation
Protection	IP 54
Case	Metal Epoxy painted
Switching frequency	20 kHz
Input Voltage	400 Vac ± 10 % - 480 Vac ± 10 %