

MAQ

High-frequency battery charger/power supply with
current limitation



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FOR DC POWER SUPPLY

FOR STATIONARY AND TRACTION BATTERIES

Usage

- adjustable power supply for electroplating and electrochemistry
- service deployment in stationary applications (in case of charger failure)
- forming of new batteries
- IU, IUa or IU0U characteristic
- regeneration (desulphating, equalisation) of traction and stationary batteries

Features

- high-frequency charger, modular construction
- universal - for all battery types
- four-coloured graphic display

Settings, operation

- manual setting of parameters via front panel
- wide range of setting: 0 - I_{max}, 0 - U_{max} (according to type)
- possibility of shutoff after lapse of preset time
- possibility of shutoff after delivery of preset Ahs
- possibility of operation with no time limits
- remote control option (activation and deactivation)
- remote signalisation (optical, potential-free)
- charging compensation according to the battery temperature using a temperature sensor



Versions

- standard - wall mounted, IP20
- portable - on AXI FF MONO stand, with optional handle
- mobile - in a tubular frame fitted with wheels (multi-module types)

Optional equipment

- external signal column
- relay signalization
- temperature sensor

MAQ is an adjustable voltage power supply with current limiting. MAQ can be used as a high-frequency battery charger, mainly for stationary applications. It is also ideal for regeneration and maintenance of all battery types.

LARGE CLEAR DISPLAY

REQUIRED	ACTUAL
VOLTAGE 48.0V	0.0v
CURRENT 50.0A	0.0A
TIME 0:15h	0:00h
SETTING	

REQUIRED	ACTUAL
VOLTAGE 48.0V	47.9v
CURRENT 50.0A	37.8A
TIME 0:15h	0:10h
SETTING	

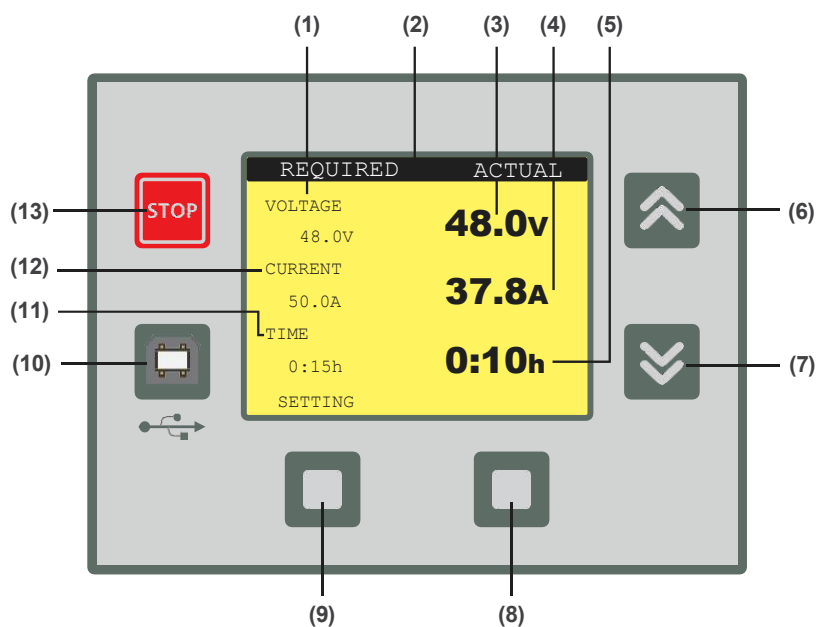
FINAL	ACTUAL
VOLTAGE 48.0V	0.0v
CURRENT 50.0A	0.0A
TIME 0:15h	0:15h
RETURN	



Display colours:

- blue – standby mode
- yellow – in operation
- green – cycle finished
- red – error (with failure code)

MAQ



- (1) requested output voltage
- (2) information bar
- (3) output voltage value
- (4) current supply value
- (5) elapsed time or provided capacity
- (6) button up
- (7) button down
- (8) and (9) function buttons
- (10) USB connector
- (11) deactivation parameters (time or capacity)
- (12) current limiting
- (13) "STOP" button

Typeschart

Type	Max. output voltage (V)	Max. output current (A)	Max. output power (W)	Mains (V)	Input current (A)	Mains protection (A)	Case (IP20)	Weight (kg)
MAQ 24E60	35	60	1750	230	8,7	10	FF170	16
MAQ 24E100		100	2900	230	14,1	16	FF170	16
MAQ 24D100		100	2900	3x400	4,9	6	FF170	17
MAQ 24D200		200	5800	3x400	9,8	10	FF250	25
MAQ 48E50	70	50	2900	230	14,1	16	FF170	16
MAQ 48D50		50	2900	3x400	4,9	6	FF170	17
MAQ 48D100		100	4800	3x400	8	10	FF170	20
MAQ 48D150		150	7700	3x400	12,9	16	FF250	28
MAQ 96E25	140	25	2900	230	14,1	16	FF170	16
MAQ 96D25		25	2900	3x400	4,9	6	FF170	17
MAQ 96D50		50	4800	3x400	8	10	FF170	20
MAQ 96D75		75	7700	3x400	12,9	16	FF250	28
MAQ 96D100		100	9600	3x400	16	20	FF250	30
MAQ 96D125		125	12500	3x400	20,9	25	FF330	39
MAQ 220D22		22	4800	3x400	8	10	FF170	20
MAQ 220D44		44	9600	3x400	16	20	FF250	30
MAQ 220D66	300	66	14400	3x400	24	32	FF330	41
MAQ 220D88		88	19200	3x400	32	40	FF550	55
MAQ 400D12		12	4800	3x400	8	10	FF170	20
MAQ 400D24		24	9600	3x400	16	20	FF250	30
MAQ 400D36	600	36	14400	3x400	24	32	FF330	41
MAQ 400D48		48	19200	3x400	32	40	FF550	55

In case you did not choose from standard products, please contact us.

Efficiency	up to 94%
Output voltage stability	± 1%
Cooling	forced ventilation
Degree of protection	IP20
Operating conditions	-10°C to +40°C
Protection class	I
CE Standards	EN 61000-6-2 EN 61000-6-4 EN 62368-1

Case	Dimension (mm)			Fastening holes spacing (mm)	
	HEIGHT	WIDTH	DEPTH	X	Y
FF170	477	302	169	230	515
FF250	477	302	254	230	515
FF330	477	302	339	230	515
FF550	477	547	339	499	515
FF720	477	717	339	669	515

