



REGULATED BATTERY CHARGER



GENERAL

This regulated charger is a DC power supply associated, or not, to a battery (open lead acid, sealed lead acid, gel lead acid, or nickel cadmium).

This charger is a LF rectifier with diodes and thyristors bridge.

The applications are:

- Safety lighting
- Alarm system
- Access control
- Safety of process control
- Safety of HV/LV switchgears.

It is compliant with the following European standards:

- Emission NF EN 55022-B NF EN 61000-3-2
- Immunity NF EN 55024
NF EN 61000-4-2 NF EN 61000-4-3
NF EN 61000-4-4 NF EN 61000-4-5
NF EN 61000-4-6 NF EN 61000-4-8
NF EN 61000-4-11
- Telecom standards ETS 300 132-1 ETS 300 132-2
ETS 300 386-1
- Safety standards NF S 61940
NF EN 60950 reinforced insulation
Mains / utilisation

REMOTE SIGNALLING

- Potential-free relay contact for remote of general battery charger failure.
- RS232 plug enables to key in, check, modify the parametering data and the controlling of the rectifier by means of a PC. .
- RS 485 plug enables the dialog with many equipments placed in parallel by means of Ethernet or PC with a modem (in option).

SAFETY BATTERY CHARGERS

SAFETY

- Limitation of the output current
- Fuse on the rectifier output
- Protection fuse of the battery circuit
- Fuse on the auxiliary supply (On / Off switch)

DISPLAY

LEDs on front panel:

- Yellow General fault
- Green Mains present in floating operation
- Yellow Mains present in equalizing operation
- Yellow Mains present in manual boost charge operation
- Yellow Output rectifier voltage too high
- Yellow In back-up operation
- Yellow End of battery autonomy
- Yellow Pre-alarm as soon as a fault occurs
- Yellow Communication TX
- Yellow Communication RX

By 16-character LCD display:

RECTIFIER OUTPUT CURRENT/VOLTAGE
BATTERY CURRENT/VOLTAGE

Status of the battery charge

Consultation of the event memory and the parameters

SPECIFICATIONS

- Input voltage: single-phase chargers: 196V/253V
three-phases chargers: 340V/440V
- Frequency: 45-65Hz
- Operating temperature: -5° to 50° C
- Storage temperature: -40° to 70° C
- Nominal power factor: 0.8
- Output voltage: 12V, 24V, 48V, 110V, 220V
(or other voltage on request)
- Adjustable output voltage: 1.25Vn
- Cooling by natural convection
- Degrees of protection: IP 20, IK 07

OPTIONS

- Battery temperature control
- Battery low voltage disconnecter
- Diode for parallel operation
- Telecom ripple filter

TABLE OF CHARACTERS

ALTYs RANGE	Mains Power Supply	Output Voltage	AC Mains Input Current	Nominal Output Current	Dimensions W X D X H (mm)	Weight (kg/lb)
ALTYs 24M25	Single-phase 230V	24V	6A	25A	600 X 450 X 700	85 / 187.39
ALTYs 24M40	Single-phase 230V	24V	9A	40A	600 X 450 X 700	90 / 198.41
ALTYs 24M60	Single-phase 230V	24V	13A	60A	600 X 450 X 700	100 / 220.46
ALTYs 24M80	Single-phase 230V	24V	17A	80A	600 X 450 X 700	120 / 264.55
ALTYs 24M100	Single-phase 230V	24V	21A	100A	600 X 450 X 700	125 / 275.58
ALTYs 48M25	Single-phase 230V	48V	14A	25A	600 X 450 X 700	95 / 209.44
ALTYs 48M40	Single-phase 230V	48V	17A	40A	600 X 450 X 700	110 / 242.51
ALTYs 48M60	Single-phase 230V	48V	25A	60A	600 X 450 X 700	115 / 253.53
ALTYs 110M10	Single-phase 230V	110V	11A	10A	600 X 450 X 700	90 / 198.41
ALTYs 110M25	Single-phase 230V	110V	26A	25A	600 X 450 X 700	115 / 253.53
ALTYs 24T125	Three-phase 400V	24V	10A	125A	600 X 600 X 1000	160 / 352.74
ALTYs 24T160	Three-phase 400V	24V	13A	160A	600 X 600 X 1000	180 / 396.83
ALTYs 24T200	Three-phase 400V	24V	16A	200A	600 X 600 X 1000	250 / 551.15
ALTYs 48T60	Three-phase 400V	48V	10A	60A	600 X 600 X 1000	160 / 352.74
ALTYs 48T100	Three-phase 400V	48V	16A	100A	600 X 600 X 1400	250 / 551.15
ALTYs 48T125	Three-phase 400V	48V	20A	125A	600 X 600 X 1400	300 / 661.38
ALTYs 48T160	Three-phase 400V	48V	26A	160A	600 X 600 X 1400	360 / 793.66
ALTYs 48T200	Three-phase 400V	48V	32A	200A	600 X 600 X 1400	380 / 837.75
ALTYs 110T40	Three-phase 400V	110V	15A	40A	600 X 600 X 1400	270 / 595.24
ALTYs 110T60	Three-phase 400V	110V	23A	60A	600 X 600 X 1400	300 / 661.38
ALTYs 110T100	Three-phase 400V	110V	38A	100A	600 X 600 X 1400	350 / 771.61
ALTYs 110T160	Three-phase 400V	110V	60A	160A	600 X 600 X 1400	380 / 837.75
ALTYs 110T200	Three-phase 400V	110V	75A	200A	600 X 600 X 1400	430 / 947.98
ALTYs 220T25	Three-phase 400V	220V	16A	25A	600 X 600 X 1400	270 / 595.24
ALTYs 220T40	Three-phase 400V	220V	25A	40A	600 X 600 X 1400	300 / 661.38
ALTYs 220T60	Three-phase 400V	220V	38A	60A	600 X 600 X 1400	350 / 771.61
ALTYs 220T100	Three-phase 400V	220V	63A	100A	600 X 600 X 1400	430 / 947.98
ALTYs 220T160	Three-phase 400V	220V	100A	160A	600 X 600 X 2000	580 / 1278.67
ALTYs 220T200	Three-phase 400V	220V	125A	200A	600 X 600 X 2000	650 / 1432.99