

# CYBER 20

## DIGITAL CONTROL, PORTABLE AUTOMATIC BATTERY CHARGER



**Cyber 20** is a heavy-duty battery charger with the charging process optimised by a microprocessor. Its smart charging technique makes it suitable for modern vehicles equipped with a variety of on-board electronic devices.

- No voltage or current peak and consequently no damage to the on-board computer.
- There is no need to remove the battery when charging.
- Holding function.
- Digital ammeter and voltmeter.

### I > U characteristic:

During this phase, the battery charger recognises the charge state and automatically begins the charging process in two stages, without any danger of overheating.

U> During charging, voltage is limited to prevent the battery from getting overcharged to a boiling point.

### PROTECTIONS:

- Thermostatic protection
- Protection against inverted polarity, overcharging and short circuiting.
- Protection against overvoltage which could damage the vehicle's on-board electronics.
- Automatic shutdown when charging is over
- Display of the charge state.



	CYBER 20
power supply	230 1PH
frequency	50 - 60
charge voltage	6 - 12 - 24
absorbed power	1000
average charging current	20
maximum rechargeable battery	200
dimensions	310 x 190 x 290
weight	12
STANDARDS	EN 60335-1-2 EN 55014-1-2

W 000 267 900

# FAST

## SINGLE-PHASE PORTABLE BATTERY CHARGERS



**Powerful single-phase battery chargers**, ideal for charging large 12/24 batteries. Their sturdy metal structure makes them ideal for any workplace. Equipped with: ammeters to monitor the charge state, protection against inverted polarity and overcharging, thermal protection.

### Standard equipment:

- Set of insulated clamps,
- Power supply cable,
- User and maintenance manual,
- Safety instructions.



	FAST 7	FAST 10	FAST 18	FAST 25	FAST 30
power supply	230 1PHe	230 1PH	230 1PH	230 1PH	230 1PH
frequency	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
charge voltage	12	12 - 24	12 - 24	12 - 24	12 - 24
absorbed power	200	200	460	460	980
charging position	2	2	3	3	3
absorbed current	0.86	0.86	2	2	3.4
RMS charging current	7	10 (12 V)-8 (24 V)	15 (12 V) - 18 (24 V)	17 (12 V)- 5 (24 V)	22 (12 V) - 30 (24 V)
charging current average EN 60335-2-29	5	8 (12 V)-5 (24 V)	10 (12 V)-13 (24 V)	12 (12 V)-16 (24 V)	15 (12 V) - 25 (24 V)
Rated capacity 15h	90	120	190	240	490
dimensions	320 x 230 x 195	330 x 230 x 220	345 x 235 x 225	345 x 235 x 225	370 x 250 x 250
weight	4	5	7.5	13.5	15
STANDARDS	EN 60335-1-2 / EN 55014-1-2				

W 000 268 307 | W 000 268 308 | W 000 268 309 | W 000 268 310 | W 000 268 311