

MANUAL MODE

Unlike many low-cost chargers, UNICHARGE can revitalize even deeply discharged batteries (below 5V) that typically cannot be recovered with standard automatic charging methods. This is thanks to its "manual charge" mode, which allows you to carefully raise the battery voltage up to 13.6V, corresponding to approximately 80% capacity.



UNICHARGE 4.12 and 8.12 only

CHARGING TIMES

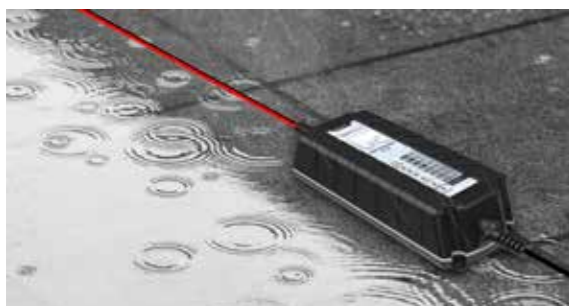
	UNICHARGE		
	1,5.12	4.12	8.12
150-200 Ah	80-107 h	30-40 h	15-20 h
60-150 Ah	32-80 h	12-30 h	8-15 h
80-150 Ah	43-80 h	16-30 h	8-15 h
45-120 Ah	24-64 h	9-24 h	4.5-12 h
10-30 Ah	5-16 h	2-6 h	1-3 h
10-30 Ah	5-16 h	2-6 h	1-3 h
5-20 Ah	3-11 h	1-4 h	0.5-2 h

Indicative time for an 80% load

x-x h recommended
X-X h suitable, but charging may take longer or be too rapid compared with a recommended charger

HIGH DEGREE OF PROTECTION (IP65)

Protected against rain and dust



PROLONGED BATTERY LIFESPAN

- 1 Test**
 Analysis of the battery's condition.
- 2 Repair sulfated battery***
 Recovery of sulfated batteries (extended deep discharge).
- 3 Repair low battery***
 Recovery of deeply discharged batteries.
- 4 Boost charge**
 Fast charge at maximum power.
- 5 Equalisation**
 Equalisation of the charge at 100% on all battery elements.
- 6 Recondition****
 Mixing of the battery in order to avoid all stratification phenomenon.
- 7 Charge Diagnostic**
 Verification of the battery's ability to hold the charge.
- 8 100%**
 Keeping the battery's charge at 100% (floating).
- 9 Life+/Storage**
 Compensation of the natural selfdischarge of the battery, with pulse charge for more battery lifespan.

*UNICHARGE 4.12 and 8.12 only
 **UNICHARGE 8.12 only

UNICHARGE battery chargers

REPAIRS, RECHARGES AND PRESERVES YOUR BATTERIES

With a last generation multi-stage charging algorithm, UNICHARGE perfectly recharges all the way to 100% and without supervision all lead-acid batteries : liquid electrolyte, flooded and AGM (maintenance-free).

Designed and developed for all uses, UNICHARGE is the ideal charger to recharge solar batteries, vehicle batteries (car, motorcycle, scooter, snow scooter, tractor, agricultural machines), boat batteries, alarm batteries, fence batteries...

UNICHARGE 4.12 and 8.12 are much more than simple standard chargers, they :

- repair and recharge deeply discharged batteries (>0V),
- repair batteries which could have started a stratification process,
- preserve batteries from all stratification phenomenon (recondition mode, 8.12 model),
- avoid self-discharge of the batteries during long winters or storage periods while improving their lifespan.

UNICHARGE is fitted as standard with a clamp connection kit, but also with an eyelet connection kit, ideal for regular charges or for hard to access batteries. Moreover, the 4.12 and 8.12 models are equipped with charge control technology on their eyelet connection, which allows to visually and simply check the level of charge of your battery.

Quality guaranteed by Uniteck
 Made in P.R.C.

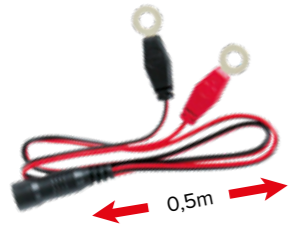
EN 60335-1, EN 60335-2-29 & EN 55014-1
 / EN 55014-2, EN 61000-3-2 - EN61000-3-3
 - EN 62233



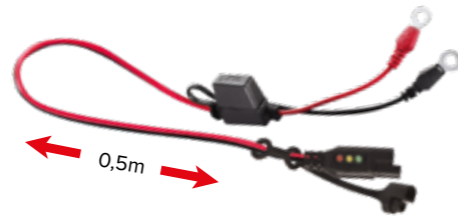
UNITECK

- Tests, charges at 100%, avoids sulphation and stratification, maintains the charge and improves the battery's lifespan.
- Automatically memorizes and restarts with the last mode in use in case of power failure
- Polarity reversals, short circuits, thermal, sparks protection
- Protected against dust and water projections (IP65)
- Controlled by a microprocessor

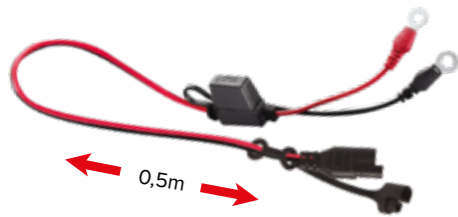
ACCESSORIES FOR UNICHARGE



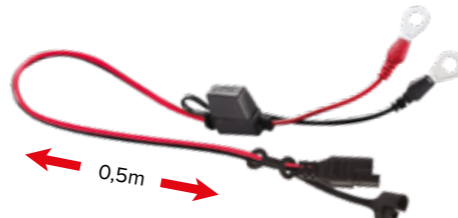
Standard eyelet connection
Length 0,5m
for Unicharge 1.5.12 only (included with charger)
Ref 0583



Eyelet connection
with Charge control technology and M6 terminals
Length 0,5m
for Unicharge 4.12/8.12 only (included with charger)
Ref 0590



Eyelet connection
with M6 lugs
Length 0,5m
For UNICHARGE 4.12/8.12
Ref 5007



Eyelet connection
with M8 lugs
Length 0,5m
For UNICHARGE 4.12/8.12
Ref 5014

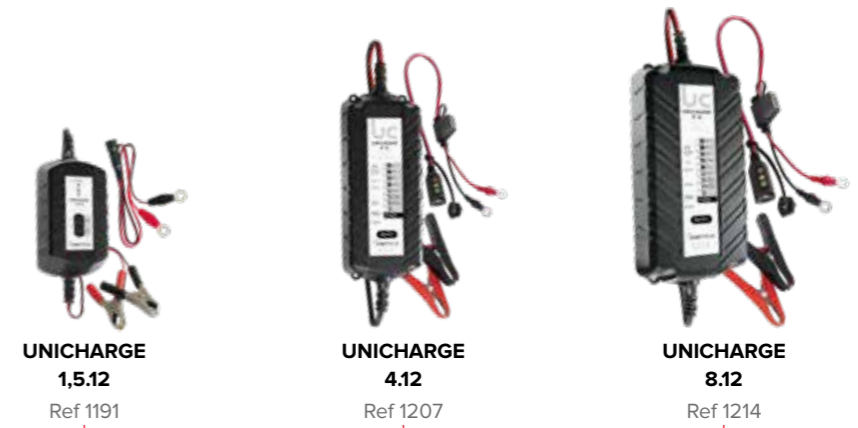


Cable extension
Length 2.5m
For UNICHARGE 4.12/8.12
Ref 5021



Cigarette-lighter cable
Length 0.5m
For UNICHARGE 4.12/8.12
Ref 5038

APPLICATIONS



System

AC input voltage	230 V AC ±10% 50Hz	230 V AC ±10% 50Hz	230 V AC ±10% 50Hz
DC output voltage	6 V-12 V	6 V-12 V	12 V
Maximum power	28 W	75 W	150 W
Charging technology	automatic, multi-stage	automatic, multi-stage	automatic, multi-stage

Battery

Battery types	lead-acid liquid, AGM, gel	lead-acid liquid, AGM, gel	lead-acid liquid, AGM, gel
Accepted battery voltage	6 V-12 V	6 V-12 V	12 V
Battery capacity	8-40 Ah	2-120 Ah	10-250 Ah

Charge

Charging intensity	1,5 A	1/4 A	2/8 A
Charging stages	4	8	9
Minimum battery voltage	3,5 V	0V (manual) 5 V (automatic)	0V (manual) 5 V (automatic)

Connections

Clamps	yes	yes	yes
Eyelets	yes	yes, with Charge control	yes, with Charge control

Mechanical characteristics

Protection rating	IP65	IP65	IP65
Operating temperature	-10°/+50°C	-10°/+50°C	-10°/+50°C
Storage temperature	-20°/+70°C	-20°/+70°C	-20°/+70°C
Dimensions in mm (wxhxd)	109×47×85	176,6×72,4×48,9	202,6×92,5×59,1
Weight	250 g	530 g	740 g

Warranty

Period	2 years	2 years	2 years
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