

**TELWIN<sup>®</sup>**  
JOIN THE INNOVATION

# Telwin

## Product Range



2018

 **WHITE<sup>®</sup>**  
INTERNATIONAL

**TELWIN<sup>®</sup>**  
JOIN THE INNOVATION

**Quality  
Chargers**

# Brand Story

**For over 50 years TELWIN has been a worldwide leader in the manufacturing of Italian made welding machines, cutting systems and battery chargers and starters.**

TELWIN has a presence on 5 continents, and a range of products that serve any industrial market.

TELWIN means **state-of-the-art, with innovative and technologically advanced solutions**, aimed at improving productivity, optimising intervention times, minimising operative costs and always guaranteeing excellent performance under any operative condition.

An on-going renewal and extension of the product range, strong drive towards new and highly innovative design solutions as well as advanced research and sustainable improvement and an increased presence on markets worldwide, are what drive TELWIN as a business.























The ultra-modern company premises – not by chance called the “The Home of Welding”, with its area of 120 thousand square metres - is the nerve centre of TELWIN and employs over 250 collaborators making up a well-tuned, winning team. Modern production plants, robotic lines, specialised development and testing laboratories, automated stores, training and demo areas dovetail to make up an international industrial pillar of sheer excellence in the sector.

**TELWIN – JOIN THE INNOVATION**





## KEY

 6 Volt	 Lawn Mower
 12 Volt	 Motorbike
 24 Volt	 Car
 1PH 230V	 Boat
 Wet Cell	 Tractor
 Enhanced Flooded Battery	 Excavator
 Lead Calcium Alloy	 Jeep
 Gel Cell	 Van
 Maintenance Free	 Small Van
 Absorbent Glass Mat	 Truck
 Technology "made by" Telwin	
 Timer Boost	



# BATTERY CHARGERS - Single Phase Supply

## TWTOURING11

804727

### TOURING 11 230V 6/12V

Battery charger with electronic control of the charging steps, automatic interruption and restart (TRONIC), for charging WET, GEL, Pb-Ca, AGM, MF, EFB batteries with 6/12V voltage.

With warning LED to indicate battery charge status. Fitted with protection against overloads, polarity reversal and recognition of battery voltage.

- A<sub>EFF</sub>** Effective charging current 3/6 A
- A<sub>EN</sub>** Rated charge current 2/4 A
- C<sub>MIN</sub>** Min rated reference capacity 15/25Ah
- C<sub>MAX</sub>** Max rated reference capacity 30/55 Ah



**ELEMENTS**  
LINE



**Tronic**

6V 12V Pb-Ca Wet Gel AGM EFB MF

## TWTOURING15

804728

### TOURING 15 230V 12V/24V

Battery charger with electronic control of the charging steps, automatic interruption and restart (TRONIC), for charging WET, GEL, Pb-Ca, AGM, MF, EFB batteries with 12/24V voltage.

With warning LED to indicate battery charge status. Fitted with protection against overloads, polarity reversal and recognition of battery voltage.

- A<sub>EFF</sub>** Effective charging current 12/10 A
- A<sub>EN</sub>** Rated charge current 8/5.5 A
- C<sub>MIN</sub>** Min rated reference capacity 50/30Ah
- C<sub>MAX</sub>** Max rated reference capacity 115/55 Ah



**ELEMENTS**  
LINE



**Tronic**

12V 24V Pb-Ca Wet Gel AGM EFB MF

## TWTOURING18

804729

### TOURING 18 230V 12V/24V

Battery charger with electronic control of the charging steps, automatic interruption and restart (TRONIC), for charging WET, GEL, Pb-Ca, AGM, MF, EFB batteries with 12/24V voltage.

With warning LED to indicate battery charge status. Fitted with protection against overloads, polarity reversal and recognition of battery voltage.

- A<sub>EFF</sub>** Effective charging current 15/11 A
- A<sub>EN</sub>** Rated charge current 10/7.5 A
- C<sub>MIN</sub>** Min rated reference capacity 60/50Ah
- C<sub>MAX</sub>** Max rated reference capacity 180/115 Ah



**ELEMENTS**  
LINE



**Tronic**

12V 24V Pb-Ca Wet Gel AGM EFB MF

## TWALASKA150

804730

### ALASKA 150 START 230V 12V

Battery charger, starter and maintainer with electronic control of the charging current, automatic interruption and restart (TRONIC), for charging lead-acid batteries with 12V voltage for motorcycles, vehicles, vans, light trucks.

Charge options: normal CHARGE, BOOST quick charge, automatic TRONIC charge and maintenance of WET, GEL, AGM: SPIRAL, MF, START-STOP batteries.

#### Features:

- Choice of CHARGE, TRONIC mode
- Visualization of charging current (CHARGE)
- Warning LED to indicate battery charge status, end of charge, maintenance (TRONIC)
- Choice of output voltage, charge voltage, start
- Protection against overloads and polarity reversal

**A<sub>EFF</sub>** Effective charging current 20 A

**C<sub>MIN</sub>** Min rated reference capacity 10Ah

**A<sub>START MAX</sub>** Max Start Current 100 A

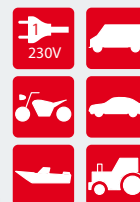
**C<sub>MAX</sub>** Max rated reference capacity 200 Ah

**A<sub>EN</sub>** Rated charge current 13.5 A

**A<sub>IV/C</sub>** Effective start current 50/100 A



**ELEMENTS**  
LINE



**Tronic** 12V Pb-Ca Wet Gel AGM EFB MF

## TWALASKA200

804731

### ALASKA 200 START 230V 12-24V

Battery charger, starter and maintainer with electronic control of the charging current, automatic interruption and restart (TRONIC), for charging lead-acid batteries with 12/24V voltage for motorcycles, vehicles, vans, light trucks.

Charge options: normal CHARGE, BOOST quick charge, automatic TRONIC charge and maintenance of WET, GEL, AGM: SPIRAL, MF, START-STOP batteries.

#### Features:

- Choice of CHARGE, TRONIC mode
- Visualization of charging current (CHARGE)
- Warning LED to indicate battery charge status, end of charge, maintenance (TRONIC)
- Choice of output voltage, charge voltage, start
- Protection against overloads and polarity reversal

**A<sub>EFF</sub>** Effective charging current 25/16 A

**C<sub>MIN</sub>** Min rated reference capacity 25/30Ah

**A<sub>START MAX</sub>** Max Starting Current 150A

**C<sub>MAX</sub>** Max rated reference capacity 300/160 Ah

**A<sub>EN</sub>** Rated charge current 17/11 A

**A<sub>IV/C</sub>** Effective start current 100 A



**ELEMENTS**  
LINE



**Tronic** 12V 24V Pb-Ca Wet Gel AGM EFB MF



# BATTERY CHARGERS - Single Phase Supply

## TWSPRINTER3000

804732

### SPRINTER 3000 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug) and starting all types of cars, vans and light trucks.

**Features:**

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal

<b>A<sub>EFF</sub></b> Effective charging current 75 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max Starting Current 300A	<b>C<sub>MAX</sub></b> Max rated reference capacity 700 Ah
<b>A<sub>EN</sub></b> Rated charge current 50 A	
<b>A<sub>1V/C</sub></b> Effective start current 180 A	



**ELEMENTS**  
LINE



12V 24V Wet

## TWSPRINTER4000

804733

### SPRINTER 4000 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V (15 amp plug) voltage and starting all types of cars, vans and light trucks.

**Features:**

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal

<b>A<sub>EFF</sub></b> Effective charging current 105 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max Starting Current 400A	<b>C<sub>MAX</sub></b> Max rated reference capacity 1000 Ah
<b>A<sub>EN</sub></b> Rated charge current 70 A	
<b>A<sub>1V/C</sub></b> Effective start current 300 A	



**ELEMENTS**  
LINE



12V 24V Wet

## TWSPRINTER6000

804734

### SPRINTER 6000 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug) and starting all types of cars, vans and light trucks.

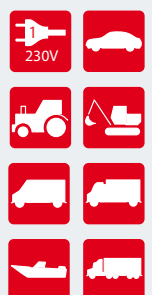
**Features:**

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal.

<b>A<sub>EFF</sub></b> Effective charging current 120 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max Starting Current 570A	<b>C<sub>MAX</sub></b> Max rated reference capacity 1550 Ah
<b>A<sub>EN</sub></b> Rated charge current 80 A	
<b>A<sub>1V/C</sub></b> Effective start current 360 A	



**ELEMENTS**  
LINE



12V 24V Wet

## TWAUTOTRONIC25

509513



### AUTOTRONIC 25 BOOST 230V 12V/24V

Battery charger and maintainer with electronic control of the charging current, automatic interruption and restart (TRONIC), for charging lead-acid batteries with 12/24V voltage (15 amp plug).

Fitted with switches to choose either a normal charge (MIN) or quick charge (BOOST) in the buffer mode (TRONIC) or drooping characteristic mode (CHARGE).

The buffer automatic charge is adequate for maintenance free sealed batteries (GEL/AGM/START-STOP), while the drooping characteristic charge is adequate for free-electrolyte batteries (WET).

**Features:**

- Choice of output voltage, type of charge, charging mode
- Display of charging current
- Protection against overloads and polarity reversal



- A<sub>EFF</sub>** Effective charging current 18/12 A
- A<sub>EN</sub>** Rated Charge Current 12/8A
- C<sub>MIN</sub>** Min rated reference capacity 30/20Ah
- C<sub>MAX</sub>** Max rated reference capacity 225/180 Ah



## TWLEADER220

509530



### LEADER 220 START 230V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug), and starting all types of petrol-driven vehicles.

**Features:**

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal



- A<sub>EFF</sub>** Effective charging current 30 A
- A<sub>START MAX</sub>** Max Starting 180A
- A<sub>EN</sub>** Rated Charge Current 20A
- A<sub>IV/C</sub>** Effective start current 120 A
- C<sub>MIN</sub>** Min rated reference capacity 30Ah
- C<sub>MAX</sub>** Max rated reference capacity 400 Ah



## TWLEADER400

509531



### LEADER 400 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug), and starting all types of petrol-driven and diesel-driven vehicles, up to 70 hp.

**Features:**

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal



- A<sub>EFF</sub>** Effective charging current 45 A
- A<sub>START MAX</sub>** Max Starting 300A
- A<sub>EN</sub>** Rated Charge Current 30A
- A<sub>IV/C</sub>** Effective start current 180 A
- C<sub>MIN</sub>** Min rated reference capacity 20Ah
- C<sub>MAX</sub>** Max rated reference capacity 700 Ah



# BATTERY CHARGERS - Single Phase Supply

## TWDYNAMIC320

509520

### DYNAMIC 320 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug) and starting all types of cars, vans and light trucks.

#### Features:

- Choice of normal charge, quick charge (BOOST), quick start
- Display of charging and starting current
- Protection against overloads and polarity reversal

<b>A<sub>EFF</sub></b> Effective charging current 45 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max starting current 300 A	<b>C<sub>MAX</sub></b> Max rated reference capacity 700 Ah
<b>A<sub>EN</sub></b> Rated Charge Current 30A	
<b>A<sub>IV/C</sub></b> Effective start current 180 A	



## TWDYNAMIC520

509521

### DYNAMIC 520 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug) and starting all types of cars, vans and light trucks.

#### Features:

- Choice of normal charge, quick charge (BOOST), quick start
- Timer for quick charge
- Display of charging and starting current
- Protection against overloads and polarity reversal

<b>A<sub>EFF</sub></b> Effective charging current 75 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max starting current 400 A	<b>C<sub>MAX</sub></b> Max rated reference capacity 1000 Ah
<b>A<sub>EN</sub></b> Rated Charge Current 50A	
<b>A<sub>IV/C</sub></b> Effective start current 300 A	



## TWDYNAMIC620

509522

### DYNAMIC 620 START 230V 12-24V

Battery charger and starter for charging free electrolyte batteries (WET) with 12/24V voltage (15 amp plug) and starting all types of cars, vans and light trucks.

#### Features:

- Choice of normal charge, quick charge (BOOST), quick start
- Timer for quick charge
- Display of charging and starting current
- Protection against overloads and polarity reversal

<b>A<sub>EFF</sub></b> Effective charging current 90 A	<b>C<sub>MIN</sub></b> Min rated reference capacity 20Ah
<b>A<sub>START MAX</sub></b> Max starting current 570 A	<b>C<sub>MAX</sub></b> Max rated reference capacity 1550 Ah
<b>A<sub>EN</sub></b> Rated Charge Current 70A	
<b>A<sub>IV/C</sub></b> Effective start current 360 A	





## PORTABLE SPOT WELDERS

### TWMODULAR20/TI

509536

#### MODULAR PORTABLE SPOT WELDER 20/TI

- Spot Welds up to 1 + 1mm
- Electronic Timer adjustable from 0.1 second - 1.2 second
- Adjustable pressure from 40kg - 120kg (with 120mm arms)
- Heat insulated handle
- Modern Streamline Design
- Handgrip made out of thermic isolating material
- Weight 10kg



### TWDIGITALMOD230

509518

#### DIGITAL MODULAR 230 SPOT WELDER 2MM+2MM

- Microprocessor controlled spot welder
- Maximum spot welding thickness 2 + 2 mm
- Automatic adjustment of welding time and current
- Manual adjustment also available
- Continuous or pulsed operation for specialised materials
- Adjustable arm pressure from 40-120kg (with 120mm arms)
- Supplied with arms 120mm
- Handgrip made out of thermic isolating material
- Weight 11 Kg



## ELECTRODES

### TW803152

509449

#### STRAIGHT ARM PAIR WITH ELECTRODES 250MM

Suitable for use with Telwin portable spot welders:  
TWMODULAR20/TI & TWDIGITALMOD230



### TW803153

509450

#### BENT ARM PAIR WITH ELECTRODES 350MM

Suitable for use with Telwin portable spot welders:  
TWMODULAR20/TI & TWDIGITALMOD230



### TW803154

509451

#### SHAPED ARM PAIR WITH ELECTRODES 350MM

Suitable for use with Telwin portable spot welders:  
TWMODULAR20/TI & TWDIGITALMOD230



# BATTERY CHARGERS - Accessories

## TW802517

509423

**BATTERY TESTER 6-12VOLT (BLISTERED)** Suitable for WET, GEL, AGM, PbBa batteries.  
Saves time during testing operations as it allows operation without disconnecting the battery from the vehicle.  
Battery Capacity 20-100Ah.



## TW802530

509429

### BLACK EARTH CLAMP NEGATIVE 60A

Designed for use with Telwin battery chargers



## TW802528

509427

### BLACK EARTH CLAMP NEGATIVE 40A

Designed for use with Telwin battery chargers



## TW802529

509428

### RED EARTH CLAMP POSITIVE 60A

Designed for use with Telwin battery chargers



## TW802527

509426

### RED EARTH CLAMP POSITIVE 40A

Designed for use with Telwin battery chargers



# FUSES

Part No.	Item	Description
TW802859	805616	5AMP FUSE (PK 10) SUIT touring 11
TW802255	510232	10AMP FUSE (PK 10) SUIT touring 15
TW802256	509404	15AMP FUSE (PK 10) suit TOURING 18
TW802257	509405	20AMP FUSE (PK 10) SUIT AUTOTRONIC 25
TW122159	509132	GLASS FUSE HOLDER TO SUIT CHARGERS
TW322051	509209	FUSE COVER
TW802258	509406	30AMP FUSE (PK 20); SUIT LEADER 220
TW802259	509407	50A FUSE (PK 20); SUIT LEADER400 DYNAMIC 320, SPRINTER 3000
TW802260	509408	80A FUSE (PK 20); SUIT DYNAMIC 520, SPRINTER 4000
TW802029	509376	100AMP FUSE (PK 20); SUIT DYNAMIC 620, SPRINTER 6000





**TELWIN**

**Leader 220**  
**START**



FUSE  
100V 15A 250V

+24V +12V

MIN ON

BOOST OFF

230V~ 50/60Hz

LEADER 220	
12VDC 200A	230VAC 2200W
12VDC 100A	115VAC 1100W
6VDC 50A	57.5VAC 550W
3VDC 25A	28.75VAC 275W

da

**ATTENZIONE**

1. Leggere attentamente le avvertenze e le istruzioni per l'uso riportate in questo manuale e conservarle per riferimento futuro.

2. Questo convertitore è destinato all'uso in ambienti asciutti e ben ventilati.

3. Non toccare i terminali di uscita quando il convertitore è in funzione.

4. Non sovraccaricare il convertitore.

5. Non utilizzare il convertitore in ambienti con umidità elevata o con presenza di liquidi.

6. Non utilizzare il convertitore in ambienti con temperature superiori a 40°C.

7. Non utilizzare il convertitore in ambienti con temperature inferiori a 0°C.

8. Non utilizzare il convertitore in ambienti con campi magnetici o elettrici intensi.

9. Non utilizzare il convertitore in ambienti con vibrazioni intense.

10. Non utilizzare il convertitore in ambienti con presenza di gas infiammabili o esplosivi.

11. Non utilizzare il convertitore in ambienti con presenza di polvere o altri contaminanti.

12. Non utilizzare il convertitore in ambienti con presenza di acqua o altri liquidi.

13. Non utilizzare il convertitore in ambienti con presenza di oggetti metallici.

14. Non utilizzare il convertitore in ambienti con presenza di materiali infiammabili.

15. Non utilizzare il convertitore in ambienti con presenza di materiali esplosivi.

16. Non utilizzare il convertitore in ambienti con presenza di materiali corrosivi.

17. Non utilizzare il convertitore in ambienti con presenza di materiali radioattivi.

18. Non utilizzare il convertitore in ambienti con presenza di materiali nocivi.

19. Non utilizzare il convertitore in ambienti con presenza di materiali tossici.

20. Non utilizzare il convertitore in ambienti con presenza di materiali pericolosi.

**Available from your Telwin distributor:**

P\_AUS/NZ\_T\_TELWIN\_BR\_2018

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