

# TECSUP

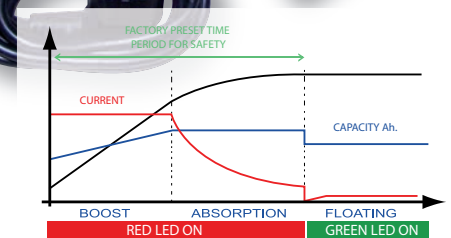
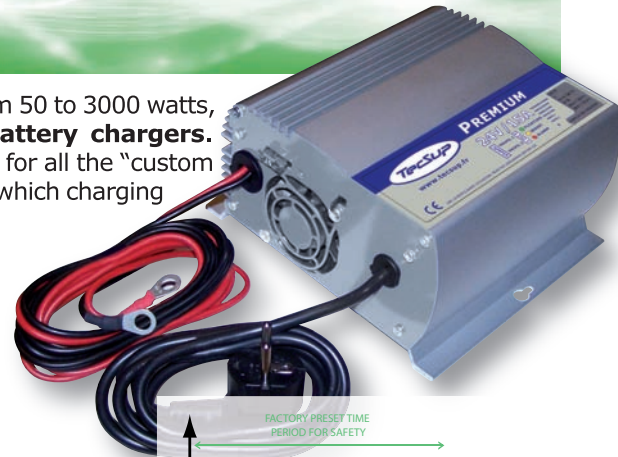
## PREMIUM

12 V/15 A - 12 /25 A - 24 V / 15 A  
1 or 2 outputs

Experts since 1985 in the conversion of electric energy, for powers ranging from 50 to 3000 watts, TECSUP offers **small, lightweight and ready-to-use switch mode battery chargers**. Conceived for a **consistent charge rate**, the **PREMIUM** is perfectly suitable for all the "custom embedded" applications (boats, motor homes, ambulances...) and sectors for which charging safely and correctly is essential (security, street signs, lighting...).

### Charge quality

- Three-states charging curves:
  - **BOOST** / Fast charge: restores 80% of battery capacity in the shortest possible time.
  - **ABSORPTION** / Top up charge: brings the battery up to 100% capacity without causing excessive gassing or boiling.
  - **FLOATING** / Maintenance charge: maintains the battery at its optimum operating voltage without causing gassing. The charger will make up for internal loss and drain present in every battery.
- IUU charging curves for 2 different types of batteries : lead open, sealed (AGM, Gel).
- Curve selection with an external jumper.



SPECIFICATIONS	Power	180 W	300 W	360 W
	Output (voltage / current)		12V / 15A	12V / 25A
Output(s)		1 or 2 independent outputs (depending on the model)		
Universal input voltage		90V à 260V with progressive de-rating below 190V		
Frequency		50 / 60 Hz		
Working temperature (cut off point)		Full power - 20°C à +45°C Progressive de-rating from +45°C up to +70°C		
Storage temperature		-25°C to +75°C		
Dimensions (mm)		183 x 165 x 98		
Weight		2,0 Kg		

#### Easy to use

- Easy to install with connecting cables pre wired.
- Horizontal or vertical installation.
- The PREMIUM **allows the battery to be connected and used constantly**, while still offering a real BOOST (high voltage) charge over short period. The charger switches back to top-up mode automatically.

#### Ventilated specifications

- Variable speed fan. Fan speed is linked to the chargers temperature.
- Fan reaches maximum RPM at +45°C.
- Virtually silent up to +30°C.

#### Safety

- Extruded aluminium housing and anodized.
- Smart protection against water: air inlet located at the bottom, outlet at the back of the charger.
- Protection index PI 23.
- Electronic protection against : over voltage at input, charger output short-circuit, battery discharge in the events of mains failure.
- Protected against accidental reverse polarity of output by an external automotive type fuse.
- CE conformity.

- Electromagnetic compatibility (E.M.C.): EN 50081-1, EN 50082-1, EN 55022 class B.
- User safety: NF EN 60335-1 and EN 60335- 2-29

#### Frontal display

- Orange ("charge"): Boost / Absorption.
- Green ("100%"): Floating.
- Red ("def"): Default condition

#### Connexions

- AC connexion via IEC socket or pre wired 3 pin AC plug (1.80m).
- DC connexion via flyleads (1.80m) terminated with 8 mm dia. crimp terminal.



- 2 years warranty.

- Listening and proximity with clients.

- Knowledge of conditions of use.

- Specific versions on request.



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