

# TECSUP

## POWER-TEC 800

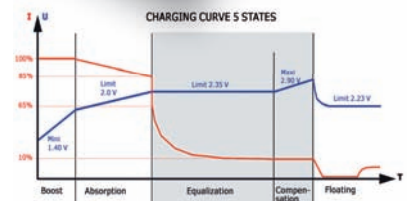
12 V / 50 A - 24 V / 30 A  
36 V / 20 A - 48 V / 15 A



Experts since 1985 in the conversion of electrical energy, for powers ranging from 50 to 3000 W, TECSUP has developed a range of high output battery chargers, adapted for all types of batteries: lead open, sealed (AGM, Gel, spiraled), Lithium.

**Compact, powerful, lightweight, the POWER-TEC 800 series** chargers are perfectly suitable for industrial and 'customized embedded' applications. They offer an **invariable charge rate** and an **optimized layout**, adjusted to every need (charging curves 3 or 5 states, definable parameters).

| Output (voltage / current)              | 12 V / 50 A  | 24 V / 30 A | 36 V / 20 A | 48 V / 15 A |
|---|--|-------------|-------------|-------------|
|   | Other versions available at request:<br>72V/10A ; 96V/7.5A   |             |             |             |
| Input voltage                           | From 55 up to 260 VAC (universal voltage)  |             |             |             |
| Power                                   | <b>U &gt; 200 VAC : 800 W</b><br>U < 200 VAC : progressive power derating.                                 |             |             |             |
| Frequency                               | 50 / 60 Hz. High frequency technology  |             |             |             |
| DC output                               | 1  |             |             |             |
| Charging curve (external rotary switch) | 16 pre-set charging curves in memory.  |             |             |             |
| Working temperature                     | Full power : -25°C to +50°C.<br>Progressive derating from +50°C up to +70°C.                               |             |             |             |
| Fan                                     | Variable fan speed depending on temperature.   |             |             |             |
| Dimensions (mm)                         | 220 x 112 x 75.  |             |             |             |
| Weight                                  | 1,5 Kg.  |             |             |             |
| Inlet connector                         | Wire 3 x 0.75 (length 1.4 m) + overmoulded Schuko plug or IEC socket (wire n/i).                           |             |             |             |
| Outlet connector                        | Connector block 2 pts (6mm <sup>2</sup> )<br>or wire 2x6 <sup>2</sup> (length 1.9 m) - version 12 V / 50 A |             |             |             |



### Options

- Series connections, parallel connections (master/slave).
- Specific algorithms for the lithium batteries.
- Liaison RS 232 to PC.
- Temperature compensation sensor.
- Remote control.
- Inter ON/OFF.
- External led.
- Voltage drop compensation wires.
- Alarm relay output.

### Optimized performances

- PFC > 98%.
- Efficiency > 84%.
- Usable with a wide range of power sources (mains, generator...).
- Charging curves 3 or 5 states.
- Constant voltage curves (power supply).
- Output ripple < 50mVrms.
- Extruded and anodised aluminium box.

### Safety

- Electronic protection against input surges & short circuits on output.
- Automatic electronic protection against polarity inversions (no fuse to change).
- Ingress Protection standard : IP 20.
- CE conformity.
- Electromagnetic compatibility (EMC): EN 55022, class B.

- User safety: EN 60335-1, EN 60335-2-29.

### Frontal display

- A led indicates the mode of working of the charger:
  - Orange: "Boost"
  - Green: "Floating"
  - Red: "Battery default"



- 2 year warranty.
- Knowledge of conditions of use.
- Listening to and proximity with clients.
- Specific versions on request.



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| <p><b>ENGINEERING</b><br/>Solutions created &amp; developed to measure</p> | <p><b>CATALOGUE</b><br/>Standard solutions, customizable &amp; modular</p> | <p><b>APPLICATIONS</b><br/>Solutions dedicated to your sector of activity</p> | <p><b>MODELS</b><br/>Predeveloped Solutions</p> |
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