

# TECSUP

## POWER-TEC 1600

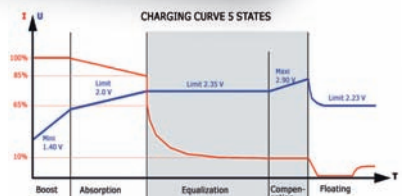
24 V / 60 A - 36 V / 40 A - 48 V / 30 A

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 1600 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)	24 V / 60 A	36 V / 40 A	48 V / 30 A
	Other versions available at request		
<b>Input voltage</b>	From 55 up to 250 VAC (universal voltage)		
<b>Power</b>	<b>U &gt; 200 VAC : 1 600 W</b> U < 200 VAC : progressive power derating		
<b>Frequency</b>	50 / 60 Hz. High frequency technology.		
<b>DC Output</b>	1		
<b>Charging curve (external rotary switch)</b>	16 pre-set charging curves in memory.		
<b>Working temperature</b>	Full power : -25°C to +40°C. Progressive derating from +40°C up to +70°C.		
<b>Fan</b>	Variable fan speed depending on temperature.		
<b>Dimensions (mm)</b>	267 x 135 x 85.		
<b>Weight</b>	1,9 Kg.		
<b>Inlet connector</b>	Wire 3G1 <sup>2</sup> (length 1.4 m) + overmoulded Schuko plug		
<b>Outlet connector</b>	Wire 2x10 <sup>2</sup> (length 1.9 m)		



### 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 > 86%.
- 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:
  - Yellow: "Boost"
  - Green: "Floating"
  - Red: "Battery default"



- 2 year warranty.

- Listening to and proximity with clients.

- Knowledge of conditions of use.

- Specific versions on request.



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