



#### Basic Technical features

AC input: 3 x 400V +/- 10% - 50Hz.

DC voltage up to 250V.

Zero battery Volt in discharge available with appropriate booster circuit.

DC current up to 100A in charge or discharge mode.

Duty Cycle: 100% in charge or discharge mode; @ maximum current rate

Output ripple negligible.

Efficiency 0,77 typ.

Power factor 0,9 typ.

T.H.D 12% or less than 10% with appropriate filter.

Transition time

From CH to DISCH. 130 milliseconds.

Cooling: by forced air (fans).

Ambient temperature up to 45°C

Protection grade IP 21.

POWERMOSFETs linear regulation; no significant ripple figures on the D.C. output.

The minimum dischargeable batteries voltage is also dependent of the circuit voltage drops.

The modular CYTEST – LR system is an innovative product designed for automotive/industrial batteries testing for laboratory applications. The POWERMOS technologies allows to reduce the ripple current down to zero and allows better measures accuracy.

The majors advantages are:

- High pre-set accuracy values.
- High measured accuracy values.
- No measuring error due to the current ripple.

- Modular power capacity.
- High reliability due to the CYTEST-LR modularity.
- Easy maintenance.