

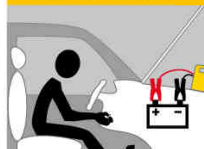
## 3.1 Jump start, Charger and 12V tester

- Will Start, cars and light vehicles within a few minutes without any risk for the onboard electronics. (automatic control)
- Fast charge function, without disconnecting the battery from the vehicle.
- Battery test function.



### QUICK START

#### JUMP START



**SECURITY**



- Battery discharged : Start'up 80 provides the solution to start within a few minutes Cars, other light vehicles either petrol or diesel.
- ↳ Pre-charge the battery for few minutes in boost position (17A) then use the starting power (50A)

### CHARGE



**AUTOMATIC**



#### BATTERY CHARGER

- **Automatic Charge** without supervision (Automatic stop when charge is finished)
- **Visual Charge status** (3 LEDs).
- For all lead starting batteries gel or liquid from 45 to 170Ah.
- **Onboard electronic protection:**  
Automatic surge protection system.  
↳ No need to disconnect the battery from the vehicle during the charge.

Ref. 024922



### TEST








#### TESTER



- The 3 stage LED display shows the instantaneous charge level of the battery.

- **Comprehensive protection for the onboard electronics, the charger and the battery:**
  - ✓ Protection against polarity reversal, short circuit and overload  
Internal automatic Circuit breaker with automatic re-engaging.
  - ✓ Audible alert in case of polarity reversal.
  - ✓ Fully isolated charging clamps.
- **Cables and clamps stowage within the unit.**

CE EN 60335-2-29

				EFFICACE /RMS	MOYEN /AVERAGE	START 1V/C	FUSE 		
230V	350W	12V	2	13,5- 25A	9-17A	50A	-	12x18x32 cm	4,4 kg