

- **Power mode | Showroom** : Maintains the charge of the battery and supplies the energy required when using the consumers of a demonstration vehicle.

### POWER SUPPLY MODES: SHOWROOM / DIAG+

#### • Setting the mode:

1	Press the SELECT button for 3 seconds to activate the modification of the mode settings.		<p>1- Mode name 2- Voltage to be regulated 3- Rated voltage 4- Maximum current</p>
2	Use the arrows to change the value of the parameter.		
3	Press the SELECT button to accept the value and move to the next parameter.		

#### • Start of the charge:

1	To start the mode, press the START/STOP button.		<p>1- Battery voltage 2- Current delivered by the charger</p>
	If the AUTO-DETECT function is active, charging will start automatically after 5 seconds if a battery is present.		
2	During the mode, your ESS6100 indicates the battery voltage and the current delivered by the charger.		
3	Press the START/STOP button to stop the mode.		

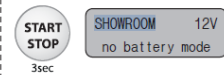
#### Features of the power modes:

Mode	«No Battery» function	«Integrated charging» function	Abnormal undervoltage protection	Voltage adjustment
SHOWROOM	✓	✓	✓	12.7 V - 14.4 V
DIAG+			✓	12.7 V - 14.8 V
CHANGE BAT				12.9 V
POWER SUPPLY	✓			2.0 V - 16.0 V

#### • «No battery» function (not recommended):

This function allows you to use the **SHOWROOM** power mode when there is no battery. To do this, press the START/STOP button for 3 seconds. The «No battery mode» indication is displayed for 3 seconds before forcing the power supply.

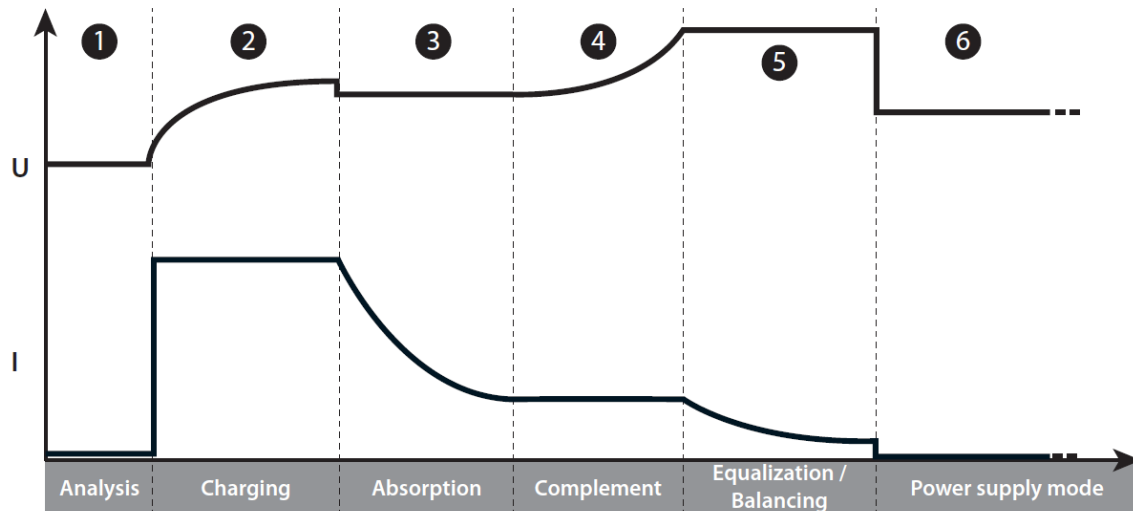
In Power Supply mode, the «no battery» function is activated permanently.



**It is strongly recommended not to use the «no battery» function if a battery is present. This function disables the «Integrated charging» function, as well as some of the protections such as abnormal undervoltage protection or disconnection detection. In this configuration, reverse polarity can damage the vehicle electronics.**

• «Integrated charging» function:

The SHOWROOM mode (outside of the «no battery» function) incorporates an automatic charging algorithm adapted to all types of batteries (lead and lithium), in order to guarantee an optimal charge level for demonstration vehicles. This function is perfectly compatible with the presence of consumers on the battery.



POWER MODES	
Showroom	Maintains the battery's state of charge and supplies power when using the electrical consumers of a demonstration vehicle.
DIAG+	Supplies energy requirements during the vehicle diagnostic work.
CHANGE BAT.	Allows to keep the vehicle power supply during battery replacement, in order to preserve the memory of the vehicle's ECUs. <b>Caution: Reverse polarity during use can be harmful to the charger and vehicle electronics.</b>
STARTER MODE	Starting aid for combustion vehicles. Allows the battery to be precharged and the charger to send the maximum current during the engine starting phase (the charger stops automatically after 30 minutes).
POWER SUPPLY	Allows the charger to be used as an adjustable stabilized power supply with high power. The voltage to be regulated and the current limitation are fully adjustable. <b>Caution: Reverse polarity during use can be harmful to the charger and vehicle electronics.</b>
Li-SUPPLY/LFP	Mode intended to supply lithium-ion cells of the LFP type (Lithium Ferro Phosphate) with selection of the number of cells in series, adjustment of the voltage and current to be applied.
Li-SUPPLY/Li-ion	Mode intended to supply standard lithium-ion batteries based on Manganese or Cobalt (NMC, LCO, LMO, MCO...) with selection of the number of cells in series, adjustment of the voltage and current to be applied.