



- Features: ■
- ON/OFF Switch. ◀
  - I/P Voltage Range: Selectable: ◀
  - AC90-165V(110V) or AC190-265V(230V)
  - Battery Status Indicators: Green LED ◀
  - displays power ON, white LED (dual color LED) shows red displays under charging and green displays float charge).
  - Short Circuit Protection: Charger O/P cut-off automatically when ◀
  - overload Intelligent Temperature Compensation: Adjust charging voltage to compensate for battery temperature, providing an accurate charge in any climate (tem sensor selectable)
  - Overcharge Protection: Constant ◀
  - voltage & constant current output avoid overcharging.

**10A** MAX. CHARGING

**3s AUTO.**

**5V, 500mA USB**

**24V** DC OUTPUT

**2 YEAR LIMITED WARRANTY**

AC Output Receptacles (optional)

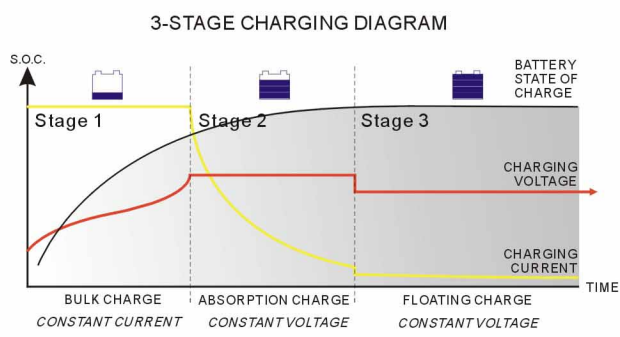


**Specification:**

Model		ENC2410			
Output	DC Voltage	24V	Input	AC voltage range	90-165V or 190-265V 50/60Hz
	Restrict Voltage	29.2V ± 0.2V		Fuse	AC Fuse
	Floating Voltage	27.5V ± 0.2V	DC Fuse		15A
	Max. Wattage	288W	Efficiency at max. power	110V: >83% ; 230V: >87%	
	Max output charging current (continuous)	10A		Dimensions	195*102*55.5mm
USB(selectable)	5V 500mA				
Protection	Battery Reverse	O/P Cut-off, Auto-Recover		Auto 3-Stage Battery Charge, Constant current, Constant Voltage, Floating Charge	
	Short Circuit	O/P Cut-off, Auto-Recover		AUTOMATIC	
	Over load	O/P Current-Limited		USB 5V = 500mA (selectable)	
	Temperature	Inner Temp. More than 80°C, auto. shut off		Universal Protection Circuit, Battery Reverse, Short Circuit, Overload, Over Temp.	
Remarks	Temperature Compensation (selectable)	-3~ 3.5mV/cell. °C ± 1-8% (-24mV/°C ± 1-8%)		Compact Design,	
	All values are based on the standard ambient temperature 25°C and pressure 0.1 Mpa				
AC Cables	Length: 1.5m Plug: selectable				

**Normal 3-Stage (IUoU) Charging Operation**

The 3 stage IUoU charge algorithm ensures fast, complete and at same time gentle charging of the lead acid battery.



State	Name	Explanation	Specification
Stage 1	The Constant Current Charging.	Normally the battery is charged at constant maximum current until it rises to absorption voltage level. The charging voltage changes with the battery voltage.	Full Load Charge
Stage 2	The constant voltage charging.	When the battery voltage rises to the absorption voltage level, the charging switches to constant voltage charging and battery is over 85% full. The battery is kept at this high voltage while the current reduces gradually to set value at which the charger automatically switches to float stage.	24V: 29.2V ± 0.2V
Stage 3	The floating voltage charging.	In this stage, the battery is full and only takes in the amount of current necessary for maintaining the capacity.	≤ 1A

**Temperature Sensor**

The temperature sensor (accessory, CU50) is used to optimal charging over wide ambient temperature range. Stick the temperature sensor in a position on the battery which is not effected by other cooling or heating source. Plug in the temperature sensor before switch on the charger to activate the temperature control function, never plug in the charger during charging. Note: Please reference to picture 2.

**Battery Charger Installation and Collection.**

