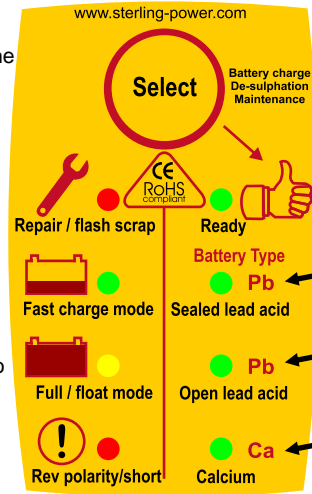


## Portable Global Smart Charger with auto repair program

Simple to use, easy to select different battery types and becomes a power pack when on float mode delivering full power if required (unlike our competitors who shut down the available power on float). This microprocessor controlled portable charger can be used anywhere in the world. The AC input voltages and frequencies can range from 100V-240V & 47-64Hz.

**Features and benefits of this portable charger are:**

- Universal AC Input (100V to 240V):** can be used anywhere in the world, truly global charging.
- Suitable for all types of lead acid batteries: Wet, GEL, AGM, Calcium.**
- Simple 3 touch screen selections with intuitive iconic LED indications.**
- Microprocessor control multi-stage charger with pulse absorption and float charge:** Fast charge but safe full power floating for long term operation. I.e. if you want to work on a vehicle while charging the battery then no problem, after the battery is charged the unit will deliver up to 5A to run the interior lights, so, you can continue to work on the vehicle.
- Checks if a battery is faulty.** The processor can automatically identify if a battery is beyond repair and flashes a warning light to inform you it needs replacing.
- Desulphation / Equilization. Repairs faulty batteries (if recoverable).** If the battery is found to be faulty, but repairable, the unit will automatically identify the fault and inject high voltage and short DC pulses until the battery is repaired, an LED shows the charger is on repair mode.
- Defective battery identification.** If, after 8 hours on the repair mode, the battery is deemed unreparable, then an LED will flash to inform you that the battery is beyond help and needs replacing.
- Three charge modes.** When the battery is found to be suitable for a charge then the charger will bulk charge, then pulse width absorption charge and finally float charge, the unit can then be left on permanently.
- Soft start charging.** If the battery is found to be heavily depleted then the smart charger will start at a low pulse current until the battery has reached a level where it can then absorb the full charge power
- 50% power reduction mode:** For small batteries under 30Ah
- Cold weather:** 14.8V (x2 for 24V) charge mode option.
- Two interchangeable connection leads with clamps and eyelet terminals.**
- Thermal control, regulates charge current in hot conditions.**
- No connection spark, there is no output voltage until the battery is connected.**
- Electronic reverse polarity protection with LED warning.**
- 40 hours 'time out' to avoid any possible problems.**
- Short circuit protected.**
- Thermal protection, reduces power and switches off if too hot.**



Easy to select battery type voltages x 2 for 24 v unit

- Sealed lead acid  
Gel and AGM  
Max 14.4 v charge  
Float 13.5
- Open lead acid  
14.8 v charge  
Float 13.5
- Calcium  
15.1 volt charge  
Float 13.5

Specification AC input range 100-240V

AC frequency 47-64 Hz

Full load 1.3A@230V AC

Max power 70W

Optimum Efficiency >81%

Max DDC current 5A

Charge voltage for sealed battery 14.4V x 2 for 24V

Low temp/calcium mode 14.7V x 2 for 24V

Float mode high level 13.5V x 2 for 24V

Float mode low level 12.8V x 2 for 24V

Protection: overload, short circuit, over temperature, reverse polarity, no spark, short circuit, 40A time out.

Construction Pol-carbonate casting, water resistant

Approvals EN 60335, EN55014, IP45 body only

Weight 0.4 Kg

Dimensions 150x60x30 mm

8 LED information panel



Global Smart portable battery charger					
Plug type	Voltage AC	Voltage DC	Amps	Weight kg	Part nos
British	110-230	12	5	0.4	GS125B
Euro	110-230	12	5	0.4	GS125E
USA	110-230	12	5	0.4	GS125A
British	110-230	24	2.5	0.4	GS243B
Euro	110-230	24	2.5	0.4	GS243E
USA	110-230	24	2.5	0.4	GS243A



## Portable Multimeters

No Batteries  
Wind up to use



Do you ever find yourself needing a multimeter, which you know you have somewhere and when you find it the batteries are flat?

Well, never again, this new product has no batteries so you can leave it as long as you like. Simply wind the handle 2 times for about 2 minutes use or wind for about 10 seconds for about 10 minutes use.

The product is high quality and extremely well equipped with all the features and functions required for general use.

Code  
WUVM

**GENERAL SPECIFICATIONS**

Display 46 mm x 23 mm large LCD  
 Measurement AC, ACA, DCV, DCA, ohms, continuity  
 beeper, Hz, %, Capacitance, Diode, Data hold.  
 Range selection Auto ranging with manual selecting.  
 Data hold to freeze the display reading  
 Dimensions 152 x 78 x 45 mm  
 Weight 350g  
 Includes red and black test leads plus instruction manual  
**Electrical Specification**  
 D/C voltage  
 Range Volts 400.0 mV - 1000 v D/C  
 Accuracy +/- ( 1% + 3d )  
 Input impedance 10 M Ohm

DC & AC current  
 10 A - 400 mA  
 Overload Protection Fuse  
 Ohms  
 400-40 M ohm  
 Capacitance  
 40nF-100 nF  
 Frequency  
 4 Hz - 4 MHz  
 Diode  
 ( forward voltage , VF )  
 Range 4 V DC  
 Resolution 0.001 V  
 Test voltage 1.6 v DC  
 test current 1 +/- 0.6 amps  
 Continuity Beeper  
 Beep if resistance less than 100 ohm  
 response time < 100 ms