

# Ultra Portable 7A

Multi stage | Multi Chemistry | Adjustable current | 12V and 6V operation

7A Ultra Portable

Sterling has now integrated its high end algorithms for each battery type into a small and portable charger. With the Ultra Portable you get the same great performance from a portable charger as you would with a fixed charger. You can select between 6 different battery chemistries, between 6V and 12V and between 3A | 5A | 7A charging rate. The portable charger can be wall mounted thanks to the wall bracket on the back of the charger.

**Multi battery chemistry selection.** Similar chargers only have one battery charging profile which fits all. This new portable charger has 6 preset charging profile (see table below) for each battery type, ensuring a fast and safe charging rate.

Automatic or manual start up. Charger shall start charging automatically after 30 seconds. This is incase you have cut the power or have had a power cut and the charger shall resume charging and maintaining the batteries.

The charger shall also remember which charging profile and current rating you have set and shall automatically resort to this setting when you turn the power on.

## Power reduction capability:

The unit can be set to 3A | 5A | 7A

**Multi information LCD screen for maximum information including:**  
Nominal charging voltage (6V / 12V).  
Real charging voltage.  
Charging current.  
Battery chemistry select.  
Fault information.

6 stage battery charging.  
View graph below.

UK + Europe + USA  
plug models available

12V and 6V operation.  
The charger senses which voltage the batteries are at and adjust the charging profiles accordingly.

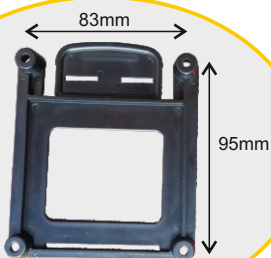
**6 Stage Charging Curve -**  
Charger set to Number 2 (14.4V bulk and 13.8V float). The charger shall pick up if a load is applied to the battery and re-establish boost mode.

## 4 Faults on display.

Fault 1 = High output voltage  
Fault 2 = High unit temp alarm  
Fault 3 = Reverse Polarity  
Fault 4 = Open circuit / Batt disconnected

Can bring 12V batteries that have gone down as low as 4V back up to 12V.

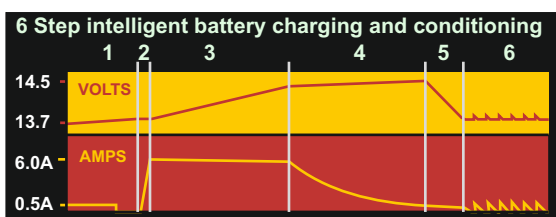
Attractive packaging box,  
ideal for retail.



Wall mounting storage bracket (included) on reverse side of the charger. Quick release for portable operation. Measurements denote centre of hole to hole.

## Chemistry Charging Profiles

	Number	1	2 (default)	3	4	5	6*
	Profile	Gel I / AGM I	Sealed LA / Lithium	AGM II	Open LA	Calcium	Desulph
12V	Absorption (V)	14.1	14.4	14.6	14.8	15.1	15.5
	Float (V)	13.4	13.8	13.7	13.3	13.6	N/A
	Number	1	2 (default)	3	4	5	6*
	Profile	Gel I / AGM I	Sealed LA / Lithium	AGM II	Open LA	Calcium	Desulph
6V	Absorption (V)	7.1	7.2	7.3	7.4	7.6	7.8
	Float (V)	6.7	6.9	6.9	6.7	6.8	N/A



Input voltage range 190-250V 50 Hz  
Power Factor at 230V 0.90  
AC current at 230V ~0.6A  
Efficiency ~80%  
Total Harmonic Distortion 2.4% voltage  
Total Harmonic Distortion 2.4% current  
Ripple noise ( R.M.S. ) 14mV  
Ground leakage 0.5 mA  
voltmeter accuracy +/- 1%

## Ultra Portable 6V / 12V | 7A charger

Region	V DC	L x W x D (mm)	Weight Kg	Code
British	6V   12V	190 x 115 x 70	0.5	B127
Europe	6V   12V	190 x 115 x 70	0.5	E127
USA	6V   12V	190 x 115 x 70	0.5	A127