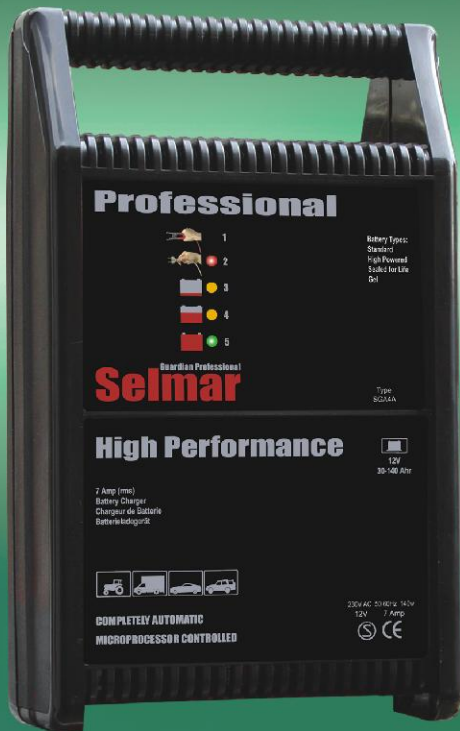


CHARGERS - for BATTERIES

Leisure

Fully Automatic

Automotive



Guardian Range Selmar

ELECTRONIC MICROPROCESSOR



GUARDIAN RANGE CHARGE & START

Top range quality products from Selmar



- ✓ Top range quality products from Selmar that charge all types of lead-acid batteries includes leisure/cyclic, cranking, calcium, silver, sealed, gel, etc
- ✓ Can be connected indefinitely. Will not overcharge or ruin the battery
- ✓ Robust high impact non-conductive flame retardant [UL-V(o)] moulded cases (ABS)
- ✓ Automatic protection against output short circuit, reverse polarity and thermal overload
- ✓ Design and manufacture compliance to all European Safety Standards
- ✓ CE and SEMKO approved to IEC/EN 60 335-2-29 + RoHS compliant.



Guardian Automatic

Model	Code		Output		Battery Capacity Approx	Remarks
	EUR	UK	Voltage	Current		
"Leisure"	SG687	SG688	12V DC	4Amp - (7Amp rms)	16-85 Ah	Recommended for cyclic leisure batteries as used in Golf Trolley, Caravan and Marine applications, plus sealed and other 12V lead-acid batteries.
"Professional"	SG693	SG694	12V DC	7Amp - (11Amp rms)	30-140Ah	High powered charger for larger 12V lead acid batteries of all types
"Sports - Leisure"	SG697	SG698	12V DC	500mA	2-16Ah	For small 12V lead-acid batteries as used in motorcycles, quad bikes, jet ski, snow scooters etc.
"Automotive"	SG691	SG692	12V DC	4Amp - (7Amp rms)	16-90 Ah	12V lead-acid batteries as used in cars up to 2000cc.

Light Emitting Diodes indicate charging status

3 Stage Controlled Charging:

	STAGE	LED	
A.	Bulk Charge:	1st yellow	Constant current to set voltage level
B.	Absorption Charge:	2nd yellow	Constant voltage reducing current
C.	Float:	Green	Constant float voltage with min. current to maintain charge

Automatic re-set to stage A. if battery status requires
 Charging is 30% more efficient than with a manual charger
 Can be permanently connected to give continuous battery "topping up"
 Double insulated construction so no earthing required
 2 second delay on connection to avoid sparking
 Ideal for maintenance-free and sealed for life batteries

Guardian Charge & Start

Selectable
 - Automatic or Manual / Boost

Charge & Start	SG695	SG696	12V DC	SELECT Automatic - 7Amp (11Amp rms) or Boost -17Amp (25Amp rms) Start -100 Amp	30-180Ah	SELECT Fully Automatic or Manual / Boost function Mains assisted Engine Starting
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All the fully automatic features of the Guardian Professional, plus selectable powerful boost function option
 Boost charge quickly restores life into flat batteries
 High power mains-assisted starting of a vehicle with a dead or discharged battery
 Ideal for Marine, Agricultural and other heavy duty applications
 When set to "Automatic" mode, can be connected permanently to a battery to provide continuous "top-up"
 Cable Storage facility

Top range quality products from Selmar



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