

Battery types	maintenance free batteries, standard batteries gel batteries, fleece (AGM) batteries	maintenance free batteries, standard batteries, gel batteries, fleece (AGM) batteries
Power input	280 W	950 W
Mains voltage	230 V/50-60 Hz	230 V/50-60 Hz
Rated current (12 V operation)	15 A	30 A
Rated current (24 V operation)		30 A
Battery charge current	continuously adjustable, regulated by microprocessors	continuously adjustable, regulated by microprocessors
Charging Characteristics	I ₁ U ₁ I ₂ aI ₃ aI ₃ ...	I ₁ U ₁ I ₂ aI ₃ aI ₃ ...
Voltage limitation (12 V operation)	14.0 V warm/14.4 V cold	14.0 V warm/14.4 V cold
Voltage limitation (24 V operation)		28.0 V warm/28.8 V cold
Dimensions (W x H x D)	260 x 160 x 250 mm	260 x 160 x 250 mm
Length of charging cable	2m	2.5m
Charging clamps	fully insulated	fully insulated
Charge on vehicle electrical systems	yes	yes
Trickle charging	yes, 'saw tooth preservation'	yes, 'saw tooth preservation'
Floating mode (12 V operation)	13.5 V/15 A max.	13.5 V/30 A max.
Floating mode (24 V operation)		27.0 V/30 A max.

V operation)		
Backup mode (12 V operation)	12.0 V/24 max.	12.0 V/2 A max.
Backup mode (24 V operation)		24.0 V/2 A max.
Overcharge protection	overflow and overcharge protection	overflow and overcharge protection
Reversed polarity protection	charge only possible with correct charge clamp connection	charge only possible with correct charge clamp
Exhaustive-discharge battery charge	protective pre-charging	connection protective pre-charging
Weight	4.0 kg	5.0 kg