

24V 36V 48V

## Trident-500 Series Trident-1000 Series



Monitoring Panel



### User Interface

- GEL-, AGM- and Wet-Battery selectable
- Distinctive warning of battery being in state of discharge
- Signaling of contact problems with battery terminals
- Indicating a non-chargeable condition (dead battery)
- Battery temp. sensing / charge voltage compensation
- Remote monitoring panel

### General Features

- Multi-phase charge profile, configurable
- Scheduled cell balancing / battery maintenance routine
- Charge history recording, faults & deep discharges
- Retrieval of charge history for later fault analysis
- Minimum 'Start-Up' voltage at batt.terminals
- Active PFC

### Brief Description

Our microprocessor based, high-frequency switching battery chargers are built for use in taxing industrial-, agricultural-, mining-, construction and marine environments.

Our IP67-chargers are sealed into a rugged sheet metal shell, made of painted aluminum alloy or stainless steel. Convection cooling also ensures total silence of operation, a much appreciated feature in mobile homes. Integrated wall brackets facilitate ease of mounting on walls or pillars.

The monitoring panel allows for the user to manually select the battery type of his choice, namely GEL, AGM and Wet. The chosen mode will become the default, being indicated by an LED which also will signal the state of charge, or abnormal fault conditions.

The 5-phase charge profile, being the competent basis of our charging technology, can be flexibly configured to even match very demanding battery specifications – to maintain reliability and predictability of battery performance.

### Range of Models

	Version	Input		Output nominal		Dimensions [LxWxH] mm	Weight Kg	Article No.
		VAC	Hz	VDC	A			
Trident-500	24V 17A	230	50	24	17	340 x 250 x 118	ca. 7.8	171-12173-200
	36V 12A	230	50	36	12	340 x 250 x 118	ca. 7.8	171-18123-200
	48V 9A	230	50	48	9	340 x 250 x 118	ca. 7.8	171-24092-200
Trident-1000	24V 34A	230	50	24	34	340 x 300 x 118	ca. 9.2	171-12343-200
	36V 24A	230	50	36	24	340 x 300 x 118	ca. 9.2	171-18243-200
	48V 18A	230	50	48	18	340 x 300 x 118	ca. 9.2	171-24183-200