

Managed Sealed Lead Acid Battery Chargers

SLA480M **SLA800M**
SLA500M **SLA1.5M**
SLA540M **SLA3.0M**

OPERATING INSTRUCTIONS

The SLAxxxM range of automatic managed constant-current constant-voltage chargers for use with sealed lead acid batteries is suitable for standby, cyclic and deep discharge applications. The output is preset for use with either 6V, 12V, 18V, 24V or 36V batteries up to the maximum specified charge current.

At switch on, a deep discharged battery is reformed by a limited charge current until the cells accept maximum bulk charge. (This facility frequently recovers old batteries to a working state). When the battery voltage approaches the preset end point potential the bulk charge decays and the constant standby voltage ensures the current stabilises at a safe maintenance level where it may be left indefinitely.

Connection: Ensure input voltage is correct. Observe output polarity, lead white stripe +ve.

Indicators: Bulk charge is shown by the red CHARGING led only. The battery is approximately 90% charged when the green READY light illuminates. The CHARGING led remains on as additional capacity is restored by the maintenance current. For optimum charge time of 6-7 hours the maximum charge current should not exceed 0.25C Amps. Larger capacity batteries take proportionately longer.

Indicators:

	Power Red	Charging Red	Ready Green
SLA480M		√	√
SLA500M		√	√
SLA540M		√	√
SLA800M	√	√	√
SLA1.5M	√	√	√
SLA3.0M	√	√	√

Specification:

Nominal Max Charge Current for Standard Models (A)

	6V	12V	18V	24V	36V
SLA480M	0.45	0.30	0.28	0.22	0.15
SLA500M	0.65	0.45	0.38	0.35	0.17
SLA540M	1.0	0.60	0.40	0.30	0.21
SLA800M	1.2	0.80	0.65	0.60	0.35
SLA1.5M	1.5	1.5	1.5	1.2	0.50
SLA3.0M	3.0	3.0	3.0	2.4	1.3

**All models feature reverse polarity and short circuit protection
Indoor use only**

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