

## IVO Smart 12/50-3



PN 43015000

- Three battery outlets
- 120/230V (autoranging model)
- Light and small model
- High-frequency switch-mode technology
- Three-step charging system
- No battery gassing
- Programmable with IVO Data Control software
- For use with gel, AGM or wet batteries
- Corrosion-proof aluminium casing
- External DC and AC connections
- Developed for the smaller systems
- Can be fixed in place or used mobile
- Easy to fit to a bulk head or shelf
- Several remote panels available as option
- Delivered with lead, battery and cable set

### Description

Install Mastervolt IVO battery chargers and rest assured that your batteries are always quickly and completely charged, whether you are at home, on the road or at sea with low shore power or limited supply.

Mastervolt's three-step charging method guarantees optimum efficiency, meaning your batteries will perform better and last much longer. Besides the fast and complete charging of three batteries up to 600 Ah (12V) (recommended), this autoranging (120 & 230V) battery charger also functions as a supply unit when the input voltage is low, automatically making up the full capacity in the 12V circuit. Its direct current outlet is so clean that the battery charger itself can be used as direct power source, even without a battery.

The high-frequency switch-mode technology, in which advanced microprocessors combine a myriad of functions, causes an extremely accurate charge characteristic. Furthermore, this IVO Smart battery charger has a unique memory function which prevents the charger starting a new three-stage charge cycle if the supply voltage is interrupted. The model is equipped with an LED status indicator displaying the stage of the three-stage charge cycle while several remote panels are available as option for even more convenience. All in all it gives you the power to be independent!

## Specifications

### GENERAL SPECIFICATIONS

Nominal input voltage	120/230V (autoranging) (operates on 120V and 230V, charge current reduction at 120V: 20 to 30%)
Nominal output voltage	12V
Total charge current	50A
Number of battery outlets	3
Charge current second + third output	50A+3A
Charge characteristic	IUoUo, automatic 3-step(+)
Charge voltage (bulk) (25 °C)	14.40V
Charge voltage (absorption) (25°C)	14.25V
Charge voltage (float - wet) (25°C)	13.25V
Charge voltage (float - gel/AGM) (25°C)	13.80V
Maximal absorption time	6 hours
Minimal absorption time	15 minutes
Length/width/height	313/187/82 mm
Weight	3.4 kg
Battery capacity (recommendation)	100-600 Ah

## TECHNICAL SPECIFICATIONS

Power factor regulation	0,99
Full load consumption (230V AC)	860 Watt
Temperature compensation by means of a temperature sensor	-30mV/°C
Voltage compensation	automatic
DC consumption with connected battery	<10mA
Temperature range	0°C to +60°C, fully safeguarded against overheating and short circuiting
Cooling	vario fan
Sound level	<54 dBA
Protection degree	IP21
Enclosure	type S1
Approvals	generic emission and interference standard: EN 55014-1:1993, generic harmonic current emissions: electrical fast transients: EN 61000-4-4:1995, surge transient: EN61000-4-5:1995, conducted radio

## OPTIONS

Panel CC (remote control) (art.nr. 70405030)	yes
Monitor C-4-RB (remote) (basic) (art.no. 70404100)	yes
Monitor C-3-RS (remote) (standard) (art.no. 70403040)	yes
Masterlink MICC (art.no. 70403105)	yes
System Manager MICC (art.no. 70400115)	yes
MasterAdjust communication connection	QRS232
Universal connection cables for remote controls	6 metre (art.no. 6502001030), 10 metre (art.no. 6502100100) and 15 metre (art.no. 6502100150)

## Accessories



Panel C-0-SC-3 (Power System Control panel 3) (AC/DC)



Panel C-0-SC-4 (Power System Control panel 4) (AC/DC + Whisper)



System Manager MICC



Monitor C-3-RS remote standard, series 3



Monitor C-4-RB remote basic, series 4



Panel CC remote control