



* Image shown are just indicative



Rural Electrification



Street Light



Battery Charging



Sail Boat

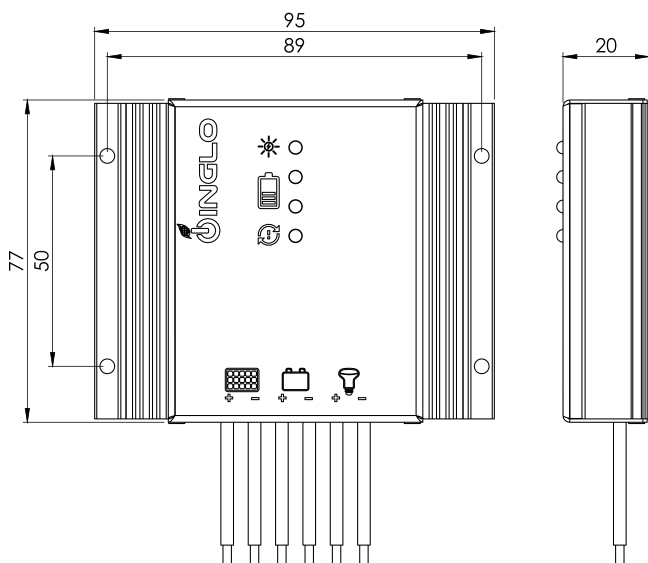


Freezer

Introduction

Inglo PWM charge controller is designed for 12/24 V battery system. It comes with an outstanding features like 4 state battery charging algorithm, LED indication for state of charging, warning and protection functions. It also allows either SOC or voltage-controlled low voltage disconnect. With the help of this controller, various control parameters can be flexibly set.

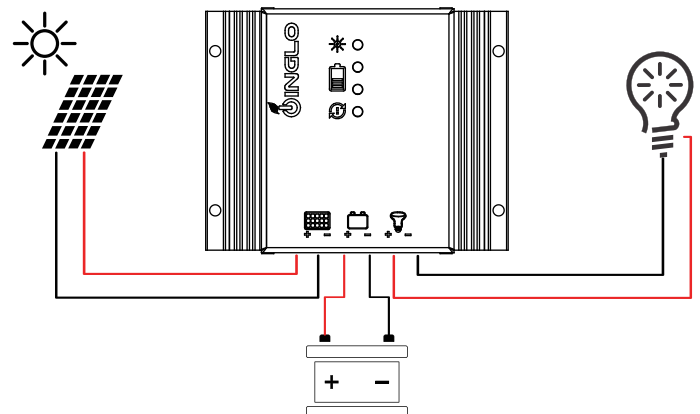
Dimension



Features

- ☑ Four stage battery charging technique (Boost, Mains, Float and Equalization)
- ⚡ Up to 98% power conversion efficiency
- ⚡ Protected against over load, short circuit, reverse polarity connection of solar panel and battery
- 💡 State of battery charging indicated by LED
- 🌡 Automatic temperature compensation.
- 🔌 Battery LVD Disconnection.

Connection Diagram





Specification

MODEL	IPC - 05	IPC - 10	IPC - 15	IPC - 20
Nominal Battery Voltage	12V/24V			
PV Open Circuit Voltage	30V @12V/ 50V @24V			
Vmp	25Vmp @12V/ 36Vmp@24V			
Max. PV Short Circuit Current	05A	10A	15A	20A
Max PV Input Power(12V)	75W	150W	200W	260W
Max PV Input Power(24V)	150W	260W	380W	480W
Boost Voltage	14.4V/ 28.8V @25°C			
Equalization Charging	14.8V/29.6V @25°C			
Mains Charging	14.4V/ 28.8V @25°C			
Float Voltage	13.8V/27.6 V			
Low Voltage disconnect	11.0V/22.0 V			
Reconnect Voltage	12.8V/25.6V			
Over Voltage	16V / 32V			
Output Voltage	11.0~14.5V /22.0~29.0V			
Self Consumption	<10mA			
Peak Conversion efficiency	>96%			
Max Charging Current	05A	10A	15A	20A
Max Output Current	05A	10A	15A	20A
Radiating mode	Natural Cooling			
LED indication	System On, Charging, Load Short Circuit, Low Voltage Disconnect, Overload, Over Temperature			
Protections	PV Reverse Polarity, Battery Reverse Polarity, Overcharge, Low Voltage disconnect, Output Short Circuit, Overload, Reverse Flow at night time			
Temperature Compensation	16mV / °C			
Operating Temperature	0 to 55°C			
Protection Category	IP22/68			

Notes:

Can be customized with dusk to dawn for lighting application
Dimming is optional for lighting

Remarks:

** Specifications are subject to change without notice.