



# PL20, PL40, PL60 Energy System Controllers

- 12, 24, 32, 36 and 48V in one controller
- Built-in 30 days datalogger
- Multifunctional 3 digit LC Display
- External current sensing (optional)
- RS232 interface (optional)
- Hybrid system control
- Widely programmable
- Built-in programmable logic



PL

The PL series of charge controllers offer complete control over the charge cycle and various information about current and past performance.

PL regulators have a built-in low battery disconnect switch. In addition, the versatile event controller can switch power on or off according to criteria set by the user. This allows the PL to do extra tasks such as switching a light on at night or keeping a water tank full by operating a pump when needed.

Regulation can be done in both series and shunt modes. Other features include backup generator control and charging a second battery.

Display shows battery voltage, charge current, ampere hours in and out of battery, load being drawn from the battery and charge status.

Information is available for the past 30 days - so even if the user doesn't remember what happened, the regulator will.

With the optional PLI interface, the user can access the regulator from a computer or via modem. Data can be read or settings adjusted.

	PL 20	PL 40	PL 60
Nominal Voltage	12, 24, 32, 36, 48 V	12, 24, 32, 36, 48 V	12, 24, 32, 36, 48 V
Solar Charge Current max.	20 A	40 A	60 A
Load Current max.	20 A	7 A	30 A
Max voltage Drop	0,4 V	0,4 V	0,42 V
Ambient Temperature	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
Supply Current	9 mA	13 mA	20 mA
Temperature Sensor Range	-15 to +50 °C	-15 to +50 °C	-15 to +50 °C
Regulation Set Points	4 preset programs, 1 user adjust	4 preset programs, 1 user adjust	4 preset programs, 1 user adjust
Dimensions (h x w x d)	100 x 109 x 41	130 x 124 x 50	225 x 175 x 62
Weight	320 g	515 g	1100 g

**Phocos AG, Germany**  
info@phocos.com

**Phocos Europe GmbH, Austria**  
info-europe@phocos.com

**Phocos Eastern Europe S.R.L., Romania**  
info-easterneurope@phocos.com

**Phocos China Ltd., China**  
info-china@phocos.com

**Phocos India Solar Pvt. Ltd., India**  
info-india@phocos.com

**Phocos SEA Pte Ltd, Singapore**  
info-sea@phocos.com

**Phocos Latin America S.R.L, Bolivia**  
info-latinamerica@phocos.com

**Phocos Rep. Office Brazil, Brazil**  
info-brazil@phocos.com

**Phocos Rep. Office Eastern Africa, Kenya**  
info-easternafrica@phocos.com

**Phocos SunDanzer, USA**  
info-usa@phocos.com

**Plasmatronics Pty Ltd, Australia**  
admin@plasmatronics.com.au