

PLA

Control Unit for Multi-PL Controller Systems



- Synchronizes up to 3 PLs
- Built-in 30 days data logger for the complete system
- Built-in RS232 interface
- Isolated alarm indication and outputs
- Suitable for great systems of up to 180 A

The PLA allows multiple PL series charge controllers to work together in a single system. It provides a common RS232 communication interface and four alarm/control channel outputs; it can also control a LSI load switch unit.

The PLA can also be used as an autonomous alarm or in combination of up to three PL charge controllers. For this application PL controllers type PL 20, PL 40 and PL 60 can be combined in any form. This leads to a powerful combination for large stand alone solar and hybrid systems of up to 180 Amps charge current.

The PLA makes the retrieval of system performance data easier by providing total system information in addition to the comprehensive data acquisition features of the PL charge controllers. Communication is done via a galvanic isolated RS232 serial port.

The unit has high and low battery voltage alarms with alarm state indicators. The alarm levels are programmable. The PLA keeps the individual PL controllers synchronized. This results in properly charge sharing between controllers.

Type	PLA
Battery supply voltage	7 – 100 V
Supply current	70 mA at 11 V, 22 mA at 48 V
Communications interface	RS232 at 300/1,200/2,400 baud rate
Galvanic isolated output contacts	100 V, 0.3 A
Ambient temperature	-20 to +60 °C