

PLA

Control Unit for Multi-PL Controller Systems



- Synchronizes up to 3 PLs
- Built in RS232 interface
- Single controller and total system monitoring
- Alarm indication and outputs

The PLA allows multiple PL series charge controllers to work together in a single system. It provides a common communication interface and 4 alarm/control channel outputs and can also control an LSI load switch unit. It can be used on its own or as a manager for one, two or three PL controllers of any type. This leads to a powerful combination for large stand alone solar and hybrid Systems up to 180 Amps charge current. The PLA makes system performance data retrieval easier by providing system total information in addition to the

comprehensive data acquisition features of the PL charge controllers. Communication is done via a DC isolated RS232 serial port. The unit has high battery voltage and low battery voltage alarms with alarm state indicators. The alarm points are programmable. The PLA keeps the individual PL controllers synchronized. This means that charging is properly shared between controllers and time settings are kept in sync.

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