

# System Diagram 9

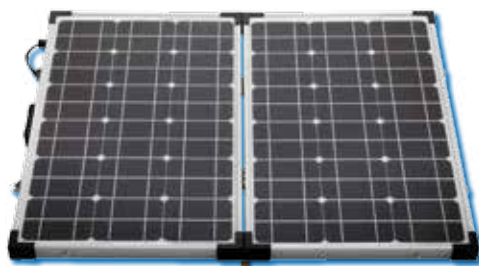
## KISAE Solar Charge Controller

### System benefits:

- Maintains batteries in fully charged state
- Protects battery from overcharging and discharging
- Residential and Industrial applications

### OPTIMAL BATTERY CHARGING FROM A SOLAR PANEL

Whether installing a charge controller for your own off-grid vacation home or for an industrial solar array installation, KISAE Solar Charge Controllers provide maintenance-free protection for your batteries and solar panels in off-grid applications. These controllers provide a regulated output to prevent batteries from overcharging, while the Load Disconnect feature protects batteries from being over-discharged. KISAE Charge Controllers have LED status indicators to provide a quick reference to Charger, Battery and Load status.



**PV SOLAR PANEL**

**SOLAR CHARGE CONTROLLER (SC1220 LD)**



**DC LOADS**  
with Low Voltage Disconnect feature (LVD)

- Cell phone & Tablet rechargers
- DC fans
- Car Vacuums
- Air Pumps
- Coolers

**PV INPUT**  
to charge the House Battery

**DC OUTPUT**  
provides battery power for low to medium DC Loads (<30A)



**12V/24V HOUSE BATTERY**