

SHURFLO® LINEAR CURRENT BOOSTER PUMP CONTROLLERS

OPTIMIZE THE PERFORMANCE OF YOUR SOLAR SUBMERSIBLE PUMP

- SHURflo LCB pump controllers are high quality DC power converters designed to interface between a DC solar pump and DC power source like solar panels.
- Their main function is to maximize the daily output of water while providing protection for the pump.
- The solid state controller will protect the pump systems and give trouble-free service for many years.
- When used in a solar pumping system, directly connected to solar power, it will protect the pump from over-voltage and over-current conditions and will also provide current boosting in low sunshine conditions.
- The model LCB-GO gives basic protection and can also be connected to a remote float switch at the reservoir to turn the pump on and off as required.
- The model LCB-G75 model has these facilities but is also equipped with sensors, wiring harness and internal circuitry to monitor water levels underground and react to level changes in the well and a manual on-off switch



FEATURES & BENEFITS



LCB-GO

- Operates on 24 VDC
- Increases daily water output up to 30%
- System starts pumping earlier in the morning
- Systems stops pumping later in the evening
- Protects pump from low or high voltage conditions
- Terminals for float switch
- 5 Amp Max



LCB-G75

- Includes all features of LCB-GO plus:
 - Switch selectable for 12 VDC or 24 VDC
 - Pump On / Off switch
 - Water tight enclosure and cable inlets
 - Includes water level monitor mode with probes and 90 m (300 ft.) cables
 - 7 Amp Max
 - Mounting bracket



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TECHNICAL CHARACTERISTICS

	Model LCB-G75	Model LCB-G0
Maximum input voltage	45VDC (Open circuit - max 2 panels in series)	45VDC (Open circuit - max 2 panels in series)
Start voltage of the PV pump system	18-32VDC - adjustable (set to 24 volts)	25VDC ± 2% adjustable
Shut-down voltage	28VDC	28VDC
Max. power consumption of the PV pump system	150 Watts	150 Watts
Max output current	7 Amps	5 Amps
Power consumption	25 mA	25 mA
Fuse (*)	10 Amps	10 Amps
Ambient temperature	-10° to +45°C	-10° to +45°C
Over-temperature shut-down	80°C	80°C
Short-circuit protection	Yes	Yes

(*) Required for battery installation (not included)



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