

# SB3024(D)iL-DUO

## with 20A diversion current

### Marine | RV | Off-Grid

The DUO-Option software upgrade converts the auxiliary output into a 20 amp Diversion type PWM charge controller. The DUO-Option upgrade allows a SB3024(D)iL to provide PWM charge control for hydroelectric, wind or similar DC generators that require diversion type charge control while at the same time providing MPPT charge control for the main PV system. The DUO-Option can also be used to divert excess PV input to an alternate load. The charge controller and the Diversion Power controller operate as a single coordinated charge control system fed by multiple power sources. A diversion charge controller regulates battery voltage by diverting a portion of the available charge current to a resistive dump load supplied by the user. With the DUO-Option, the user may select either (a) the Min-Power mode to provide minimum dump load heating, or (b) the Max-Power mode where maximum power is delivered to the dump load. For dump load applications exceeding 20 A, our Current Booster Module(s) can be utilized to support multiple independent dump loads up to 40 A each. The Current Booster Module is driven by the auxiliary output of a DUO-Option equipped SB3024(D)iL.



Dump Load •

Hybrid Applications (Wind or Hydro) •

Diversion Current control •



## Product Features

- See datasheet for SB3024(D)iL
- 20A auxiliary output/diversion power PWM

## Display

- LEDs for charge and load status
- LED display for battery voltage, charge current, etc., for model SB3024DiL-DUO
- Remote Display optional (IPN ProRemote, IPN Remote, ProTouch)

## Accessories

- See datasheet for SB3024(D)iL
- Current Booster Module (CBM4070)

# Specifications:

# SB3024(D)iL-DUO @12/24V

Features and Accessories:

See the SB3024(D)iL Datasheet

Auxiliary Output:

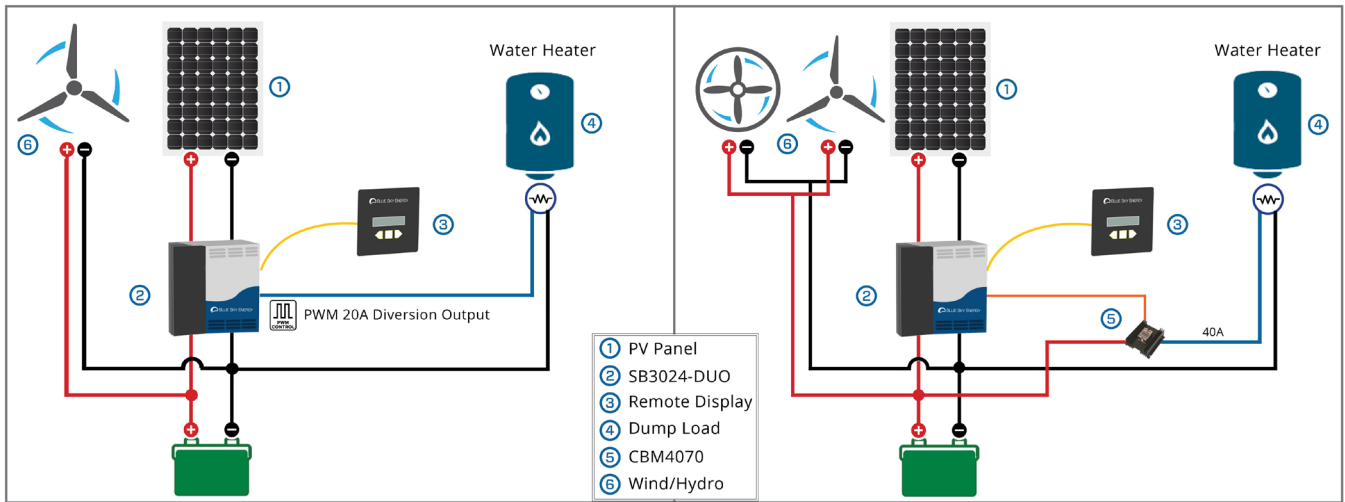
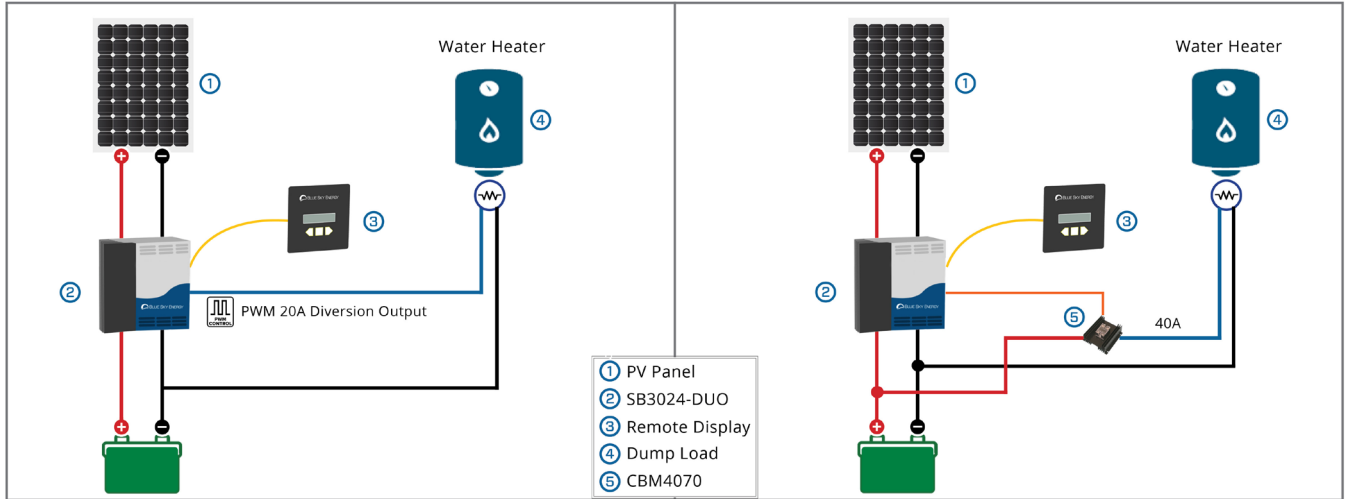
20 A diversion current

Warranty:

5 years

Certifications:

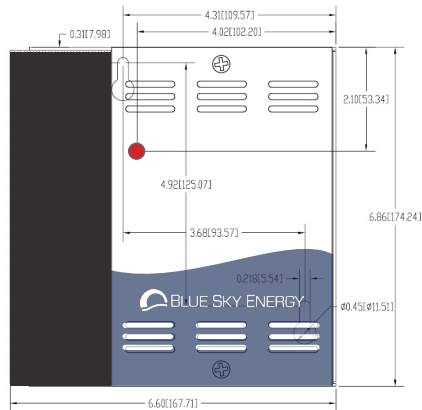
CE, RoHS, FCC



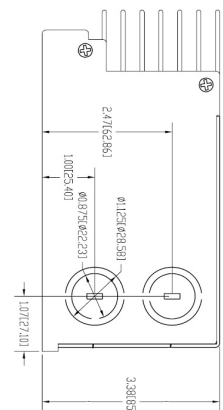
LED Indicators Charge Status



Metal Front Panel



Front View



Side View