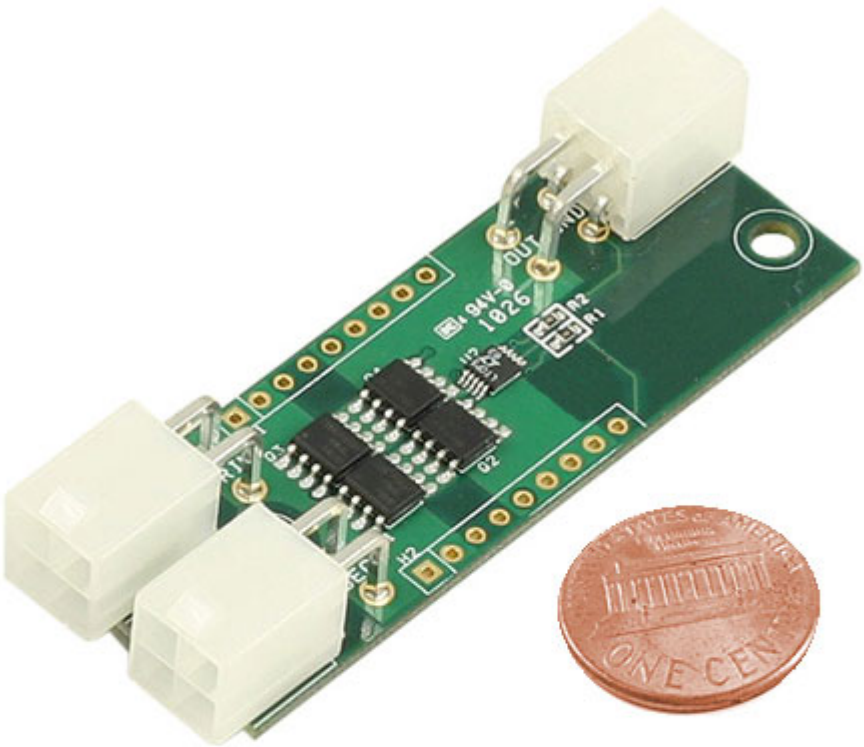
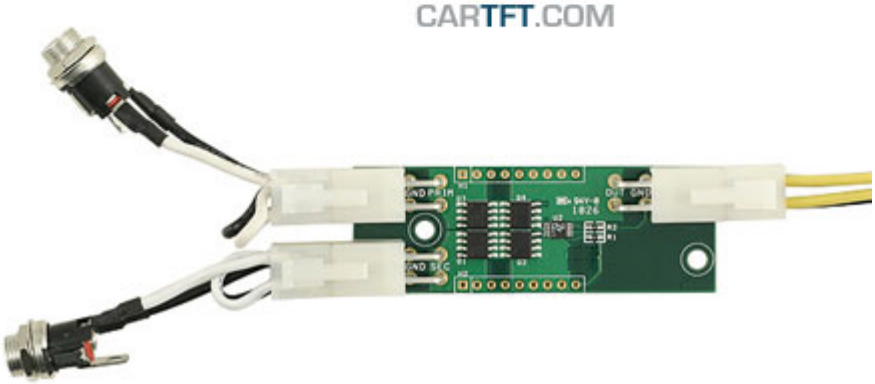


29.95 EUR
incl. 19% VAT, plus shipping

- 2x Input 5-30V
- max. 20A output
- Hot-Swap !
- Load Sharing !



Support: Schematics | Dimensions | Manual [EN]

Y-PWR is a 20A, 30V ideal diode OR. Two power sources such as AC/DC adapters of equal voltage can be used to sum (load sharing) the output power into a single, high power channel. This versatile device can be used as a Hot Swap, Load Sharing / High Availability or Power Path Controller resulting in a low loss, high efficiency solution for AC/DC and/or battery solution.

Usage examples :

- Two 12V 90 watt adapters (higher wattage OK) can be tied together in order to produce a 12V 180watt output.
- Two 12V 90 watt adapters can be used as a high availability (HA) power source solution. If one power source dies, Y-PWR will automatically switch the the next available source.
- The Y-PWR board can be used to perform smooth transition in between AC/DC wall adapter and battery solution. AC/DC input source has to be always higher than battery voltage. NOTE: No battery charging solution is provided.
- For more sophisticated operation, each channel can be fully blocked via control pins such as control from a microprocessor.
- Multiple Y-PWR controllers can be tied together at the output to integrate larger amounts of power.

Scope of supply :
- Y-PWR Controller
- 2x DC-to-P4 cable
- 1x P4-to-P4 cable