

HP8480 Intelligent Master Switch



Brand: HP Electronik

Product Code: HP8480

Availability: 7 Days

Weight: 0.70kg

Dimensions: 15.00cm x 10.00cm x 5.00cm

Price: \$1,292.50

Short Description

The main function is a high power battery switch designed for current up to 1000A. The high current is achieved by connecting 9 or 18 (depending on model) Power MOSFET, each specified to handle 250 ampere, transistors in parallel.

Additional features:

- a) A low loss current sensor monitors if the battery is charged or discharged. Both available as signal on CAN bus, and output for driving "Discharging" warning light.
- b) Low power output for driving "Rain light" (independent of main switch).
- c) Electronic current limit on low power outputs.
Switch Off if current above 10A for more than 1 second.
Automatic reset (switch On) after 20 seconds.
- d) Temperature sensor.
- e) Automatic switch to PowerDown mode after 30 seconds with Main-Switch off.
Only input 1..4 and Light output may be used then HP8480 is in Power down.

Description FEATURES

- Powersupply 12V / 24V DC
- Switching Current 1000A
- High Side Switching (+)
- Intelligent Measurement of Load
- Intelligent Analysis of Charging / Discharging of the Battery
- + Constant output for Rainlight etc.
- Programmable fuse size 0,1-32A
- Input from switch or CAN
- 2 x Switch Inputs to control Power «off» (for cars using Internal and External Master switching)
- For activating, only one switch is required to be switched «on»

Specifications

Power supply 7..18VDC (connected to 12V battery).

Supply current, active < 60mA

Supply current, power down < 6mA (entered after 30 seconds with Main Switch Off).

Main switch voltage drop @20A <3mV (18 PMOS version)
<5mV (9 PMOS version)

Current accuracy, Main switch (< 45A) +/- 0,3A +/-2%

Current accuracy, Main switch (> 45A) +/- 1,0A +/-20%

Current accuracy, Safety light output +/- 0,1A +/-5%

Battery voltage accuracy +/-50mA +/-1%

Temperature accuracy +/- 0,5 degree @25 degree.

+/- 1 degree from -10 to 85 degree.

+/- 2 degree from -10 to 125 degree.