

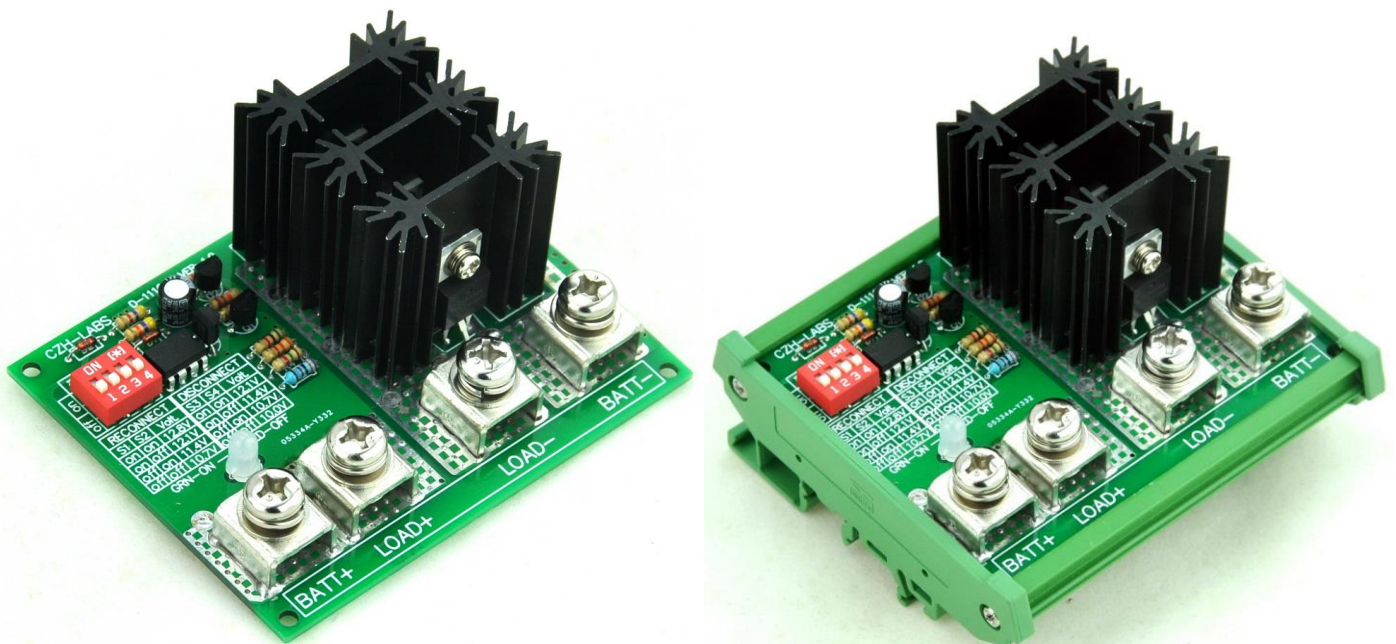
CZH-LABS

Electronics-Salon

Automatic Low Voltage Disconnect Module (LVD) Based on Microcontroller and MOSFET

Model: D-1116C, 36V 80A version.

D-1116D, 48V 80A version.



To protect electronics from damaging low voltages and prevent a deep discharge of a battery during an extended power outage, the LVD module will automatically disconnect the battery when the voltage falls below the user adjustable cutoff voltage. When power is restored the Smart Switch will automatically reconnect the battery. thereby protecting the battery from total discharge (helping to prolong the life of the battery).

Applications include:

Solar systems,
Alarm systems,
UPS systems,
Mobile systems,
Or any application where you need to protect the battery from total discharge.

Features:

Programmable voltage setting for Disconnect and Reconnect.

Red-green LED indication for relay switch ON and OFF.

When the battery voltage drops to \leq Disconnect value and continuously held for 10 seconds, load switch will OFF. when the battery voltage rise to \geq Reconnect value and continuously held for 10 seconds, load switch will return to ON state. this will better prevent malfunction.

Panel mount or DIN rail mount types selectable. DIN rail mount version can support width 35 / 32 / 15mm rails.

Version:

Version	Mount Type	Suitable Battery	Rated Current
D-1116C	Panel mount	36V	80A
D-1116D		48V	
D-1116CT	DIN Rail Mount	36V	
D-1116DT		48V	

Specifications:

	D-1116C (36V)	D-1116D (48V)
Operating voltage	13 ~ 48 Vdc	18 ~ 60 Vdc
Rated current	80A	
Quiescent current (Load switch off)	1.8 ~ 2.2mA	
Quiescent current (Load switch on)	6.5 ~ 7.5mA	
Disconnect voltage	30.0, 32.1, 34.2, 36.3 Vdc Programmable	40.0, 42.8, 45.6, 48.4 Vdc Programmable
Reconnect voltage	32.1, 34.2, 36.3, 38.4 Vdc Programmable	42.8, 45.6, 48.4, 51.2 Vdc Programmable
Default setting Disconnect/Reconnect	30.0Vdc / 34.2Vdc	40.0Vdc / 45.6Vdc
Disconnect/Reconnect Voltage Tolerance	+/- 0.2Vdc (max.)	

