mPD-501

DC Electronic Load

Introduction

mPD-501 DC electronic load mainly focuses on the testing of power circuit on PCB. mPD -501 offers a solution for function test of Switch step up, Stepdown, Regulators and Driver IC .

Engineer puts components, such as CPU, DSP, FPGA; etc on a PCB after the power circuit has been tested. It's not complete to use a meter to measure the voltage.

mPD-501 offers engineer OVP, OCP and OPP

functions that help engineer know the value of overload current . On the other hand, engineer can use a programmable DC power

supply (mPP series) to offer external power and connect PCB's output to mPD-501. Then

engineer can easily get output watt, figure out the efficiency of power circuit and check if inductances, capacitances and resistances perfectly work with the power circuit.

mPD-501 not only offers loading emulation of

current but also provides OVP and OPP. User

can use these functions to test solar power battery, rechargeable battery and motor driver.

In school laboratory, mPD-501 helps students do experiment on power circuit, linear circuit and driver circuit.

Standard Accessories

Main unit x1
DC input cable x1
AC Power cord x1
CD (User manual) x1

Features

- Constant current (C.C) & constant voltage (C.V) emulation.
- Display real time voltage, current and watt.
- Both of C.C and C.V mode have 3 sets of memory
- Over current protection (O.C.P), over voltage protection (O.V.P) and over power protection (O.P.P).

Specification

Power	50W*1	**Power Read**	
Current	0~8A	Range	0~50W*1
Voltage	40V	Resolution	10mV
CC MODE		**Modes of Protection**	
Range	0~8V	OPP	50W
Resolution	2mA	OCP	8A
Accuracy	0.01%+/-0.1%FC	OVP	40V
CV MODE		**Modes of Operation (Max)**	
Range	0~40V	Current (CC)	8A
Resolution	10mV	POWER (CP)	50W*1
Accuracy	0.01%+/-0.1%FC		
Voltage Read Back		**Power**	AC 110V/220V ±10% 50/60Hz
Range	0~40V	**Dimension**	106(W) x 145(H) x 282(D)mm
Resolution	10mV	**Weight**	3.4Kg
Current Read Back			
Range	0~8A		
Resolution	2mA		