

2080-20A DC Power Supply (80V/20A/500W)

TEKNEKA

Product Datasheet

The Tekneka 2080-20A is a linear programmable DC power supply that has an output power of 500W, voltage of 80V, and current of 20A. The front panel output terminal’s multi-range capability allows for flexible and efficient voltage and current adjusting within the rated power range. The 2080-20A offers efficient and dependable power for trouble-free operation. It is stable with minimal ripple and has all the protection features which is needed. It can produce constant current (CC) and constant voltage (CV) allowing for constant variable output within the rated range. Users can keep pre-set values, such as the OVP/OCp limit value, and calling the output directly is quite easy. Features of this model include a PC programmable interface with data export, storable output parameters, high and low alarm (OVP/OCp) limitations, and an extremely compact and lightweight design.

Features

- High-precision device with a stable 80V and 20A output
- Features for graphical and digital trend displays are included
- For easy reference, it displays the output voltage and actual power
- Fan speed is automatically adjusted by an intelligent cooling system
- CC/CV output that is stable and modifiable within the rated range
- Incorporates OVP/OCp protection and an alarm feature
- To prevent unintentional disruption, use the parameter lock option
- 10 preset output value storage memories are available
- Multiple set values auto power supply based on a preset list
- Soft switching architecture that reduces noise and ripple
- The software can be used to operate it and export the test results as .CSV file type
- Simple to modify the memory’s pre-set values for voltage and current



Applications

- R&D laboratory
- Power supply for radio frequency
- Microwave circuits or components
- Feature verification and fault diagnosis of devices or circuits
- Quality control & inspection
- Automotive electronic circuits
- Automation testing in production field
- University/testing laboratory

Packing Includes

- Power Cord
- CD (user manual + software)
- 250V 10A Fuse
- USB AB Type Cable

Ordering Info

2080-20A..... DC Power Supply

Description	Ranges
Rated Output Voltage	0 ~ 80V
Set Voltage Resolution	10mV
Voltage Accuracy	≤0.05% ±20mV
Rated Output Current	0 ~ 20A
Set Current Resolution	1mA
Current Accuracy	≤0.05% ±20mA
Rated Output Power	500W
Efficiency (220Vac, Rated Load)	85%
Input Voltage	100 ~ 240V   Fuse: 250V, F10A
Constant Current Regulation (CC)	Load: ≤10mV, Line: ≤10mV
Constant Voltage Regulation (CV)	Load: ≤20mA, Line: ≤20mA
Voltage (Vp-p)	≤50mV
Voltage(rms)	≤15mV
Current (Ap-p)	≤30mA
Protect Function	OVP/OCp/OTP limits
Heat-dissipating Method	Intelligent speed regulation air cooling
Display	2.8-inch (240 x 320p)
Display Type	TFT (65536 colors)
Communication Port	USB communication - PC interface
USB Charging Port	5V/1A
Working Condition	Temp: 0 ~ 40°C, Humidity: ≤90%RH
Storage Condition	Temp: -20 ~ 60°C, Humidity: ≤90%RH
Dimension(W x H x L)	82 x 142 x 226mm
Weight	Device: 1.4kg, Gross: 1.8kg