



- **7046: AC 500VA, DC 400W**
- **7047: AC 1000VA, DC 800W**
- **1 to 270V AC output**
- **Output ACI: 7046 = 5A, 7047 = 10A**
- **1.4 to +/- 380V DC output**
- **Output DCI: 7046 = 4A, 7047 = 8A**
- **Frequency 40 to 500Hz**
- **Measurement and memory functions**

### DESCRIPTION

The 7046 and 7047 are primarily variable AC power supply modules with the capability to provide DC power also. Both modules are highly versatile and incorporate various functions and features for increased usability.

#### Output characteristics: AC mode

The output voltage varies from 1 V to 135 V or 2 V to 270 V (two ranges). You can switch ranges manually or automatically. The peak current can triple the maximum rated current for the rectifier load of the capacitor input type. The frequency varies from 40 Hz to 500 Hz.

#### Output characteristics: DC mode

The output voltage varies from  $\pm 1.4$  V to 190 V or  $\pm 2.8$  V to 380 V (two ranges). You can switch ranges manually or automatically. The maximum instantaneous current is up to three times higher than the maximum rated current.

#### Input characteristics

The input voltage is from 100 V AC to 120 V AC or 200 V AC to 240 V AC at 50 Hz/60 Hz (single phase). The voltage is automatically determined when the power supply is turned on.

#### Measurement functions

The 7046 and 7047 can measure the voltage, current, and power of AC and DC output. They can display the true RMS and the average (DC) values for the output voltage, and the true RMS, peak and the average (DC) values for the output current.

#### Protection

The following protection features are available:

- Protection against non-rated input voltage
- Protection against overheat (OHP)
- Protection against overload: Current limit (OCP)/monitoring for exceeded power (OPP)/monitoring for exceeded peak current
- Detection of voltage abnormalities: Increased voltage (OVP)/decreased voltage (LVP)

#### Output on phase angle

The output on phase angle can be set at AC mode. The output off phase angle is turned off at a zero cross phase.

#### Memory function

The 7046 and 7047 can store three sets of setting value for output voltage and frequency, and limit value. By manually changing the preset memory during output, the test for sudden changes of voltage and frequency is also possible.

### SPECIFICATIONS

Module	Output Voltage AC	Output Current AC	Output Frequency	Output Voltage DC	Output Current DC	Setting Resolution
7046	1 to 270V AC	5A	40-500Hz	1.4 to $\pm 380$	4A	0.1 V
7047	1 to 270V AC	10A	40-500Hz	1.4 to $\pm 380$	8A	0.1 V

Module Widths ..... 7046: 295mm / 7047: 500mm (both modules must be fitted in the primary console)

### ORDERING INFORMATION

- 7046** ..... Variable AC/DC Power Supply. AC 500VA, DC 400W, Freq 40 - 500Hz
- 7047** ..... Variable AC/DC Power Supply. AC 1000VA, DC 800W, Freq 40 - 500Hz

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.