

Digital Control & Regulated DC Power Supply



Features

- High-precision voltage and current display
- Power display
- 0.1 mA current display function
- Over-current & over-temperature protection
- Dual fast charging USB port, and max single port is 24 W
- Output switch control
- Shutdown memory of the setting values
- Digital-potentiometer & quick-adjustment knob, which can adjust the output quickly and stably



Specification

Models	RND 785-00037	RND 785-00038	RND 785-00039	RND 785-00040	RND 785-00041
Voltage	0-30V	0-30V	0-60V	0-60V	0-400V
Current	0-5A	0-10A	0-3A	0-5A	0-1A
Load Regulation					
Voltage	$\leq 0.01\% + 2\text{mV}$	$\leq 0.01\% + 2\text{mV}$	$\leq 0.01\% + 2\text{mV}$	$\leq 0.01\% + 2\text{mV}$	$\leq 0.01\% + 2\text{mV}$
Current	$\leq 0.1\% + 2\text{mA}$	$\leq 0.1\% + 5\text{mA}$	$\leq 0.1\% + 2\text{mA}$	$\leq 0.1\% + 2\text{mA}$	$\leq 0.1\% + 2\text{mA}$
Line Regulation					
Voltage	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Current	$\leq 0.1\% + 3\text{mA}$	$\leq 0.1\% + 5\text{mA}$	$\leq 0.1\% + 3\text{mA}$	$\leq 0.1\% + 3\text{mA}$	$\leq 0.1\% + 3\text{mA}$
Setup Resolution					
Voltage	10mV	10mV	10mV	10mV	10mV
Current	1mA	1mA	1mA	1mA	1mA
Setup Accuracy(25°C + -5°C)					
Voltage	$\leq 0.5\% + 10\text{mV}$	$\leq 0.5\% + 10\text{mV}$	$\leq 0.5\% + 10\text{mV}$	$\leq 0.5\% + 10\text{mV}$	$\leq 0.5\% + 20\text{mV}$
Current	$\leq 0.5\% + 5\text{mA}$	$\leq 0.5\% + 5\text{mA}$	$\leq 0.5\% + 5\text{mA}$	$\leq 0.5\% + 10\text{mA}$	$\leq 0.5\% + 5\text{mA}$
Ripple(20-20M)					
Voltage	$\leq 20\text{mVrms}$	$\leq 20\text{mVrms}$	$\leq 20\text{mVrms}$	$\leq 20\text{mVrms}$	$\leq 30\text{mVrms}$
Current	$\leq 10\text{mArms}$	$\leq 10\text{mArms}$	$\leq 10\text{mArms}$	$\leq 20\text{mArms}$	$\leq 10\text{mArms}$
Temp. Coefficient					
Voltage	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$
Current	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$
Read Back Resolution					
Voltage	10mV	10mV	10mV	10mV	10mV
Current	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA	C>0.5A 1mA C<0.5A 0.1mA
Read Back Temp. Coefficient					
Voltage	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$
Current	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$	$\leq 150\text{ppm}$
Weight and Dimension					
RND 785-00037, RND 785-00038, RND 785-00039, RND 785-00040 & RND 785-00041: 95mm(W)*168(H)*231mm(D)					
RND 785-00037: 1.9kgs, RND 785-00038: 2.5kgs, RND 785-00039: 2kgs, RND 785-00040: 2.5kgs & RND 785-00041: 2.5kgs					