



Trueful Electronics Co., Ltd.

真福電子股份有限公司 accuracy and efficiency

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SPECIFICATIONS			
C ³ V Series	2010	4005	6003
ELECTRIC			
AC input rating			
Voltage	85~264VAC		
Current	2.4A max./115VAC , 1.2A max./230VAC		
Frequency	47~63Hz		
Inrush	22A max./115VAC , 46A max./230VAC		
Power factor	PF>0.95/230VAC , PF>0.99/115VAC		
ELECTRONIC			
DC output rating			
Voltage, Volt	0-20V	0-40V	0-60V
Current, Amp	0-9.99A	0-5A	0-3.5A
Power, Watt	200W	200W	210W
Line regulation			
CV, mV	<= 10mV	<= 10mV	<= 10mV
CC, mA	<= 5mA	<= 5mA	<= 5mA
Load regulation			
CV, mV	<= 10mV	<= 10mV	<= 10mV
CC, mA	<= 5mA	<= 5mA	<= 5mA
Ripple / Noise (*1)			
CV p-p, mV	<=30mVpp	<=30mVpp	<=30mVpp
CV rms, mV	<= 10mV	<= 10mV	<= 10mV
CC rms, mA	<= 10mA	<= 10mA	<= 10mA
MEASUREMENT			
Panel setting resolution			
Voltage, mV	10mV	10mV	20mV
Current, mA	5mA	2mA	2mA
Programming resolution			
Voltage, mV	10mV	10mV	20mV
Current, mA	5mA	2mA	2mA
Programming accuracy			
Voltage, %	0.05 % +5 cnt	0.05 % +6 cnt	0.05 % +7 cnt
Current, %	0.2% + 10 cnt	0.1% +8 cnt	0.1% +8 cnt
Measurement resolution			
Voltage, mV	10mV	10mV	20mV
Current, mA	5mA	2mA	2mA
Measurement accuracy			
Voltage, %	0.05 % +5 cnt	0.05 % +6 cnt	0.05 % +7 cnt
Current, %	0.2% + 10 cnt	0.1% +8 cnt	0.1% +8 cnt
Temperature coefficient			
Voltage	0.001%/°C	0.001%/°C	0.001%/°C
Current	0.005%/°C	0.003%/°C	0.003%/°C
PROTECTIONS			
OVP	yes	yes	yes
OCP	yes	yes	yes
OTP	yes	yes	yes
COMMUNICATION			
Interface: only 1 option			
RS232	DB9		
RS485	terminal block		
USB	type-B		
Protocol			
Data rate	57600N/8/1		
NORMS			
EMC EMISSION	EN61000-3-2,-3		
EMC IMMUNITY	EN61000-4-2,3,4,5,6,8,1		
SAFETY	EN60950-1		
ENVIRONMENT			
Operating temp.	0°C~50 °C		
R.humidity, no condensed	20%~85%		
Storage temp.	-20°C~70 °C		
R.humidity, no condensed	<90%		
PHYSICAL			
Dimensions	W*D*H = 100mm*250mm*40mm(<1U)		
Weight	1.2Kg		
*1: from output terminals, running a 25cm twisted wire pair terminated with a 0.1uf CC & 10uF EC. Observe voltage across the capacitors under 20 MHz BW at full resistive load.			