

二、規格與系統結構方塊圖

2-1、規格

Electron Load						
Load Category	1	2	3(-)	4(-)	5	6
Input Spec						
Max Power(680W) (within 30min) (Non-stop)	300 W 240 W	180 W 144 W	20 W 20 W	40 W 40 W	120 W 96 W	20 W 20 W
Input Current	0 ~ 60 A	0 ~ 30 A	0 ~ 4 A	0 ~ 4 A	0 ~ 40 A	0 ~ 4 A
Working Voltage	0 ~ 30 V	0 ~ 30 V	0 ~ 30 V		0 ~ 10 V	0 ~ 30 V
Full Load Volt (Typical Value)	3.2 V	2.4 V	1.6 V	1.6 V	0.8 V	1.6 V
Operation Mode						
Constant Current (CC)	0 ~ 60 A	0 ~ 30 A	0 ~ 4 A	0 ~ 4 A	0 ~ 40 A	0 ~ 4 A
Resolution	0.015 A	0.0075 A	0.001 A	0.001 A	0.01 A	0.001 A
Accuracy	± 0.5% of (Setting + Range)					
Constant Resistance (CR)	0.05 ~ 200 Ω	0.1 ~ 400 Ω	0.75 ~ 3000 Ω	0.75 ~ 3000 Ω	0.075 ~ 300 Ω	0.75 ~ 3000 Ω
Resolution	5 mSiemens	2.5mSiemens	0.33 mSiemens	0.33 mSiemens	3.33 mSiemens	0.33 mSiemens
Accuracy	± 0.8% of (Setting + Range)					
Constant Voltage (CV)	1.2 ~ 30 V	1.2 ~ 30 V	N/A			
Resolution	0.0075V	0.0075V				
Accuracy	± 0.1% of (Setting + Range)					
OCP Test CC Mode SPEC.	0 ~ 80 A	0 ~ 30 A	0 ~ 6 A	0 ~ 6 A	0 ~ 80 A	0 ~ 6 A
Resolution	0.02A	0.0075A	0.0015A	0.0015A	0.02A	0.0015A
Max Power(within 60sec) (There is only one channel will work at the same time)	420W(V≤ 5.25V)	252W(V≤12V)	31.5W(V≤ 5.25V)	63W(V≤10.5V)	252W(V≤3.3V)	31.5W(V≤ 5.25V)
Digital Voltmeter (DVM)	0 ~ 30.000V	0 ~ 30.000 V			0 ~ 10.000 V	0 ~ 30.000 V
Resolution	0.001 V	0.001 V			0.001 V	0.001 V
Accuracy	± 0.05% of (Reading + Range)					
Digital Ammeter (DAM)	0 ~ 60.00 A	0 ~ 30.00 A	0 ~ 6.000 A	0 ~ 6.000 A	0 ~ 60.00 A	0 ~ 6.000 A
Resolution	0.01 A	0.01 A	0.001 A	0.001 A	0.01 A	0.001 A
Accuracy	± 0.5% of (Reading + Range)					
Programmable Short Test Resistance	Electronic · Relay or Electronic+Relay					
	0.055 Ω /Contact	0.08 Ω/Contact	0.4 Ω/Contact		0.02 Ω /Contact	0.4 Ω/Contact
Protections						
Over Voltage P. (OVP)	31.50 V	31.50 V			10.50 V	31.50 V
Over Current P. (OCP)	63.00 A	31.50 A	4.200 A	4.200 A	42.00 A	4.200 A
Over Power P. (OPP)	315.0 W	189.0 W	21.00 W	42.00 W	126.00 W	21.00 W
Reverse Pole P. (RPP)	NO	NO	YES	YES	NO	YES
Other Functions	TEST、PASS、FAIL、NG(isolation)					
Digital Signal Output	↑ ↓、START、STOP (in parallel)					
Remote Control	CENTRONICS, standard device					
Print Interface	RS-232C, standard device					
Communication Interface						

表 2-1、電子負載規格

3660D EXTERNAL AC SOURCE MEASURE	
Input Voltage	0 ~ 300 Vrms
Input Current	0 ~ 9 Arms
Inrush Current	0 ~ 100 Apeak
Frequency	45 ~ 400 Hz
AC Voltage meter	0 ~ 300 V rms
Resolution	0.1 volt, 15 Bit
Accuracy	± 0.3% of (Reading + Range)
AC Current meter	0 ~ 9.00 A rms
Resolution	0.01 A, 15Bit
Accuracy	± 0.5% of (Reading + Range)
AC Inrush Current mmeter	0 ~ 100 Apeak
Resolution	0.01 A, 15Bit
Accuracy	± 2% of (Reading + Range)
AC Power Meter (Watt)	120W 900W
Voltage Range	115V · 230V 115V · 230V
Resolution	0.03 watt, 15 Bit 0.15 watt, 15 Bit
Accuracy	± (0.5% of Reading + 0.6 watt) ± (0.5% of Reading + 4 watt)
Control Interface	GPIB

表 2-2、外部交流電源 (AC SOURCE) 量測規格

TIMING	
PG/PF/Set-up/Hold-up Time	0~9999 ms, 4 Range
Resolution	1 μ Sec, 32 Bit
Accuracy	± 1mSec
Vpok(PGS) & Vth	
Input Range (Vth)	DC 0~30 volt (max)
Input Range Vpok(PGS)	DC 0~5.6 volt (max)
Set Range	Vth : 0~30.00 volt, VPGS : 0~30.00V
Resolution	Vth : 7.5mV, VPGS : 7.5 mV
Accuracy	≤ 0.05 Volt
STEP/AUTO TEST	
Tmeas.1 ~ Tmeas.32	500ms~20sec
Tdelay1 ~ Tdelay32	0ms~20sec
Resolution	1ms

表 2-3、時序 (TIMING) 規格