



## 特 性

- 最大功率可達 480KW
- 最高達 8 台主/從並聯控制
- 5位數之數位電壓、電流以及功率錶
- 高速量測及通訊傳輸速率
- 大型 LCD Display、可用飛梭旋鈕或按鍵調整設定值
- 可同時顯示電壓值、電流值、瓦特值
- 適用於功率因數調整器(PFC)測試用
- 可自動執行OCP、OPP測試
- 可設定開機狀態值
- 定電流、定電阻、定電壓、定功率、定電流+定電壓、定功率+定電壓、動態及短路模式
- 於短路測試時可設定短路時間
- 過電流、功率、溫度保護及過電壓示警
- 電壓極性顯示可設成正值(“+”)或負值(“-”)
- 支援太陽能板MPPT CC、CR、CV測試
- 可選用介面：GPIB、RS232、USB、LAN
- 選購功能：緊急停止開關、類比控制介面 (Analog Control)

## 說 明

- 36000A系列具有獨立的控制及顯示面板、定電流/定電阻/定電壓/定功率/動態模式，配合面板上的150組 儲存/呼叫 記憶，能有效地控制所有負載的設定，更可透過RS232、Ethernet、USB和GPIB等介面進行遠端控制。
- 具備短路測試功能及設定短路時間，並可量測短路電壓及電流。
- 在定電流及定功率模式下，可做動態負載之模擬，其電流上升、下降斜率均為獨立可調，另具有-外部輸入任意波形之動態負載功能。
- 具有OCP、OPP單鍵測試功能，使得OCP、OPP之測試更有效率及準確。
- 可設定的吃載/停止吃載(LOAD ON/OFF)電壓點及良/不良(GO/NG)的比較判斷功能、電壓極性顯示可正可負及150組 儲存/呼叫 記憶，使得負載更適用於各種不同的應用。
- 多達150組測試參數及狀態的儲存功能，讓其可根據自動測試 (auto sequence) 需求，隨時將儲存記憶調出來任意使用。
- 因其耐壓可高達1000V，故而非常適用於功率因數調整器 (PFC) 的測試應用。
- 主/從控制最多為1個MASTER，7個SLAVE

## 應 用

- 電壓/電流源測試
- 交換式電源供應器暫態響應
- 定電壓模式供限流測試及模擬電池
- 電池放電
- 電池充電
- 研發、品管
- ATE系統
- 生產測試

## 規 格

| MODEL  | 36250A                                      |                | 36260A         |              | 36350A         |             | 36360A         |                 |
|--|---|----------------|----------------|--------------|----------------|-------------|----------------|-----------------|
| Power  | 50KW  |                | 60KW           |              | 50KW           |             | 60KW           |                 |
| Current  | 0~21A                                       | 0~210A         | 0~24A          | 0~240A       | 0~52.5A        | 0~500A      | 0~60A          | 0~600A          |
| Voltage  | 0 ~ 600V                                    |                | 0 ~ 600V       |              | 0 ~ 1000V      |             | 0 ~ 1000V      |                 |
| Min. Operating Voltage                               | 10V@210A                                    |                | 10V@240A       |              | 10V@500A       |             | 10V@600A       |                 |
| <b>Protections</b>                                   |   |                |                |              |                |             |                |                 |
| Over Power Protection (OPP)                          |   |                | 105%           |              |                |             | 105%           |                 |
| Over Current Protection (OCP)                        |   |                | 105%           |              |                |             | 104%           |                 |
| Over Voltage Protection (OVP)                        |   |                | 105%           |              |                |             | 104%           |                 |
| Over Temp Protection (OTP)                           |   |                |                |              | Yes            |             |                |                 |
| <b>Constant Current Mode</b>                         |   |                |                |              |                |             |                |                 |
| Range <sup>1</sup>                                   | 21A   | 210A           | 24A            | 240A         | 52.5A          | 500A        | 60A            | 600A            |
| Resolution   | 0.35mA                                      | 3.5mA          | 0.4mA          | 4mA          | 0.875mA        | 8.75mA      | 1mA            | 10mA            |
| Accuracy   | ± (0.1% of Setting + 0.2% of Range)         |                |                |              |                |             |                |                 |
| <b>Constant Resistance Mode</b>                      |   |                |                |              |                |             |                |                 |
| Range  | 8571Ω~2.857Ω                                | 2.857Ω~0.0477Ω | 7500Ω~2.5Ω     | 2.5Ω~0.0417Ω | 2280Ω~1.9Ω     | 1.9Ω~0.02Ω  | 2000Ω~1.666Ω   | 1.666Ω~0.01666Ω |
| Resolution   | 5.83μS                                      | 47.7μΩ         | 6.66μS         | 41.7μΩ       | 8.7μS          | 32μΩ        | 10μS           | 27.833μΩ        |
| Accuracy   | ± 0.2% of (Setting + Range)                 |                |                |              |                |             |                |                 |
| <b>Constant Voltage Mode</b>                         |   |                |                |              |                |             |                |                 |
| Range  | 0~600V                                      |                |                |              | 10~1000V       |             |                |                 |
| Resolution   | 10mV  |                |                |              | 16mV           |             |                |                 |
| Accuracy   | ± 0.05% of (Setting + Range)                |                |                |              |                |             |                |                 |
| <b>Constant Power Mode</b>                           |   |                |                |              |                |             |                |                 |
| Range  | 5.25KW                                      | 50KW           | 6KW            | 60KW         | 5.25KW         | 50KW        | 6KW            | 60KW            |
| Resolution   | 0.0875W                                     | 0.875W         | 0.1W           | 1W           | 0.0875W        | 0.875W      | 0.1W           | 1W              |
| Accuracy   | ± 0.5% of (Setting + Range)                 |                |                |              |                |             |                |                 |
| <b>Constant Voltage Mode + Constant Current Mode</b> |   |                |                |              |                |             |                |                 |
| Range  | 600V  | 210A           | 600V           | 240A         | 1000V          | 500A        | 1000V          | 600A            |
| Resolution   | 10mV  | 3.5mA          | 10mV           | 4mA          | 16mV           | 8.75mA      | 16mV           | 10mA            |
| Accuracy   | ± (0.1% of setting + 0.2% of Range)         |                |                |              |                |             |                |                 |
| <b>Constant Voltage Mode + Constant Power Mode</b>   |   |                |                |              |                |             |                |                 |
| Range  | 600V  | 50KW           | 600V           | 60KW         | 1000V          | 50KW        | 1000V          | 60KW            |
| Resolution   | 10mV  | 0.875W         | 10mV           | 1W           | 16mV           | 0.875W      | 16mV           | 1W              |
| Accuracy   | ± 0.5% of (Setting + Range)                 |                |                |              |                |             |                |                 |
| <b>MPPT Mode</b>                                     |   |                |                |              |                |             |                |                 |
| Algorithm  | P & O + Scanning                            |                |                |              |                |             |                |                 |
| Load mode  | CC, CR, CV (MPPT C, R, V)                   |                |                |              |                |             |                |                 |
| Sampling interval                                    | 10ms~2000ms ; resolution 1ms                |                |                |              |                |             |                |                 |
| P&O interval   | 10ms~2000ms ; resolution 1ms                |                |                |              |                |             |                |                 |
| Memory situation                                     | Discard old data and keep catching new data |                |                |              |                |             |                |                 |
| <b>Dynamic Mode</b>                                  |   |                |                |              |                |             |                |                 |
| <b>Timing</b>  |   |                |                |              |                |             |                |                 |
| Thigh & Tlow   | 0.050~9.999 / 99.99 / 999.9 / 9999ms        |                |                |              |                |             |                |                 |
| Resolution   | 0.001 / 0.01 / 0.1 / 1ms                    |                |                |              |                |             |                |                 |
| Accuracy   | 1μs / 10μs / 100μs / 1ms + 50ppm            |                |                |              |                |             |                |                 |
| Slew Rate  | 16.8mA~1.05A/μs                             | 168mA~10.5A/μs | 19.2mA~1.2A/μs | 192mA~12A/μs | 0.04A~2.5A/μs  | 0.4A~25A/μs | 0.048A~3A/μs   | 0.48A~30A/μs    |
| Resolution   | 4.2mA/μs                                    | 42mA/μs        | 4.8mA/μs       | 48mA/μs      | 0.01A/μs       | 0.1A/μs     | 0.012A/μs      | 0.12A/μs        |
| Min. Rise Time                                       | 20μs(typical)                               |                |                |              |                |             |                |                 |
| <b>Current</b>                                       |   |                |                |              |                |             |                |                 |
| Range  | 0~21A                                       | 21~210A        | 0~24A          | 24~240A      | 0~52.5A        | 52.5~500A   | 0~60A          | 60~600A         |
| Resolution   | 0.35mA                                      | 3.5mA          | 0.4mA          | 4mA          | 0.875mA        | 8.75mA      | 1mA            | 10mA            |
| <b>Measurement</b>                                   |   |                |                |              |                |             |                |                 |
| <b>Voltage Read Back</b>                             |   |                |                |              |                |             |                |                 |
| Range (5 Digital)                                    | 0~60V                                       | 60~600V        | 0~60V          | 60~600V      | 0~100V         | 100~1000V   | 0~100V         | 100~1000V       |
| Resolution   | 1mV   | 10mV           | 1mV            | 10mV         | 1.6mV          | 16mV        | 1.6mV          | 16mV            |
| Accuracy   | ± 0.025% of (Reading + Range)               |                |                |              |                |             |                |                 |
| <b>Current Read Back</b>                             |   |                |                |              |                |             |                |                 |
| Range (5 Digital)                                    | 0~21A                                       | 21~210A        | 0~24A          | 24~240A      | 0~52.5A        | 52.5~500A   | 0~60A          | 60~600A         |
| Resolution   | 0.35mA                                      | 3.5mA          | 0.4mA          | 4mA          | 0.875mA        | 8.75mA      | 1mA            | 10mA            |
| Accuracy   | ± 0.1% of (Reading + Range)                 |                |                |              |                |             |                |                 |
| <b>Power Read Back</b>                               |   |                |                |              |                |             |                |                 |
| Range (5 Digital)                                    | 10KW  | 50KW           | 10KW           | 60KW         | 10KW           | 50KW        | 10KW           | 60KW            |
| Resolution   | 0.1W  | 1W             | 0.1W           | 1W           | 0.1W           | 1W          | 0.1W           | 1W              |
| Accuracy   | ± 0.125% of (Reading + Range)               |                |                |              |                |             |                |                 |
| <b>General</b>                                       |   |                |                |              |                |             |                |                 |
| <b>Short Circuit</b>                                 |   |                |                |              |                |             |                |                 |
| Current  | 210A  |                | 240A           |              | 500A           |             | 600A           |                 |
| Load ON Voltage                                      | 0.4~100V                                    |                |                |              | 10.4~200V      |             |                |                 |
| Load OFF Voltage                                     | 0~99V                                       |                |                |              | 0~198.4V       |             |                |                 |
| Emergency Stop Input (選購)                            | Key & TTL                                   |                |                |              |                |             |                |                 |
| Analog Control (選購)                                  | CC / CV / CP / CC+CV / CP+CV                |                |                |              |                |             |                |                 |
| Power Consumption                                    | 5450Wmax                                    |                | 6200Wmax       |              | 5450Wmax       |             | 6200Wmax       |                 |
| Operating Temperature <sup>2</sup>                   | 0~40°C                                      |                |                |              |                |             |                |                 |
| Dimension (HxWxD)                                    | 1353x853x766mm                              |                | 1508x853x766mm |              | 1353x853x766mm |             | 1508x853x766mm |                 |
| HxWxD (Not included wheels)                          | 1249x853x766mm                              |                | 1405x853x766mm |              | 1249x853x766mm |             | 1405x853x766mm |                 |
| Weight   | 510 Kg                                      |                | 630 kg         |              | 510 kg         |             | 630 kg         |                 |
| Safety & EMC   | CE  |                |                |              |                |             |                |                 |

冷卻方式：智慧型風扇冷卻

輸入電源：200~230 Vac ±10%，50/60Hz

註\*1:CC Mode 可強制於range II

註\*2:操作溫度範圍為0~40°C，此規格表內之精確度僅適用於25°C±5°C

## 訂 購 方 式

選購介面：

- ① GPIB Card
- ② RS232 Card
- ③ USB Card
- ④ LAN Card

選購配件：



選購功能：緊急停止開關、類比控制介面 (Analog Control)



36250A 600V · 210A · 50KW



36260A 600V · 240A · 60KW



36350A 1000V · 500A · 50KW



36360A 1000V · 600A · 60KW