

6700 系列線性可程式交流電源



6700 系列線性可編程交流電源供應器提供了乾淨無雜訊電源輸出，搭配多種功能，另可選購多樣的輸出電壓及頻率。6700 線性電源的設計，使它能絕佳的應用於超低雜訊的測試需求，如通訊、音效、及監控系統。

產品特色

- 可選配高精度量測功能 (0.1mA/0.01W) (選購)。
- EEC 獨有技術 " 過載電流恆定輸出功能 "(OCF)，可自動調整電壓輸出來確保電流維持恆定值，滿足需要高啟動電流負載的產品。
- 低雜訊高穩定設計。
- 高範圍輸出電壓 0 - 600Vac 與頻率 45 - 1kHz (選購)。
- 採用先進的高密度電源技術設計，體積小，1kVA 容量高度只有 8.9cm，節省測試空間。
- 暫態反應快，在瞬間加重載或除載時波形可於 100uS 內恢復，節省測試時間。

安全特性



過電流保護



過電壓保護



過功率保護



過溫度保護



短路線路

產品特點



過載電流恆定輸出



持續輸出模式



角度設定



遠端線壓降補償 (選購)

通訊介面



USB 介面



RS-232 介面



GPIB 卡
(選購)

| | 交流輸出 | 可程式 | 單相輸入 | 單相輸出 | 600V 輸出 |
|------|------|-----|------|------|---------|
| 6705 | ✓ | ✓ | ✓ | ✓ | 選購 |
| 6710 | ✓ | ✓ | ✓ | ✓ | 選購 |
| 6720 | ✓ | ✓ | ✓ | ✓ | 選購 |
| 6730 | ✓ | ✓ | ✓ | ✓ | 選購 |
| 6740 | ✓ | ✓ | ✓ | ✓ | 選購 |
| 6750 | ✓ | ✓ | ✓ | ✓ | 選購 |

| 6700 系列規格 | | | | | | | |
|---|---|--|------|--------------|-------|-------|-------|
| 型號 | 6705 | 6710 | 6720 | 6730 | 6740 | 6750 | |
| 交流輸出 | | | | | | | |
| 相位 | 1Ø | | | | | | |
| 功率 | 500VA | 1kVA | 2kVA | 3kVA | 4kVA | 5kVA | |
| 電壓 | 範圍 | 0 - 300V, 150/300V Auto or 0 - 600V, 300/600V Auto (Optional 0 - 600V) | | | | | |
| | 解析度 | 0.1/0.2V | | | | | |
| | 精確度 | ±(0.5% of setting + 2 counts) | | | | | |
| 最大電流 (有效值) ¹ | 0 - 150V | 4.2A | 8.4A | 16.8A | 25.2A | 33.6A | 42 A |
| | 0 - 300V | 2.1A | 4.2A | 8.4A | 12.6A | 16.8A | 21A |
| 最大電流 (有效值) ² 選購 0 - 600V | 0 - 300V | 2.1A | 4.2A | 8.4A | 12.6A | 16.8A | 21A |
| | 0 - 600V | 1.05A | 2.1A | 4.2A | 6.3A | 8.4A | 10.5A |
| 最大電流 (有效值) ² 選購 0 - 1kV | 0 - 500V | - | 2A | 4A | - | - | - |
| | 0 - 1kV | - | 1A | 2A | - | - | - |
| 頻率 | 範圍 | 45 - 500Hz/45 - 1kHz (Optional 45Hz - 1kHz) Full Range Adjust | | | | | |
| | 解析度 | 0.1Hz at 45 - 99.9Hz, 1Hz at 100 - 1kHz | | | | | |
| | 精確度 | ± 0.02% of setting | | | | | |
| 總諧波失真 (THD) | < 0.3% at 110/220V & 50/60Hz (Resistive Load) | | | | | | |
| 浪湧電流 | 4 times rated Current (r.m.s) | | | | | | |
| 波峰因素 | 4 times rated Current (r.m.s) | | | | | | |
| 電源穩定率 | 0.1% max for ± 10% line change | | | | | | |
| 負載調整率 | ≤ 0.5% (Resistive Load) | | | | | | |
| 輸入電源 | | | | | | | |
| 相位 | 1Ø | | | | | | |
| 電壓 ³ | 115/230VAc ± 15% | | | 230VAc ± 15% | | | |
| 最大電流 | 16/8A | 30/16A | 30A | 50A | 60A | 75A | |
| 頻率 | 47 - 63 Hz | | | | | | |
| 功率因素 | 0.7 | | | | | | |

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|--------------|-------|---|--|------|------|------|----------------|--|
| 量測 | | | | | | | | |
| 電壓 | 範圍 | 0.0 - 300.0V/0.0 - 600.0V/0.0 - 1kV | | | | | | |
| | 解析度 | 0.1V/0.2V/1V | | | | | | |
| | 精確度 | ±(0.5% of reading + 2 counts) | | | | | | |
| 電流 | 範圍 | L | 0.000 - 3.500A | | | | 0.000 - 7.000A | |
| | | H | 3.00 - 35.00A | | | | 6.00 - 42.00A | |
| | 解析度 | L | 0.001A | | | | 0.002A | |
| | | H | 0.01A | | | | 0.02A | |
| | 精確度 | L | ±(0.5% of reading + 5counts) for 5 - 300V/±(0.5% of reading + 10 counts) for 5 - 600V, 5 - 1kV | | | | | |
| | | H | ±(0.5% of reading + 3 counts) at Voltage > 5V | | | | | |
| 電流 (選購低檔解析度) | 範圍 | 2.0 - 350.0mA | - | - | - | - | - | |
| | 解析度 | 0.1mA | - | - | - | - | - | |
| | 精確度 4 | ±(0.6% of reading + 5counts) ±(1% of reading + 5counts) for Optional 0 - 600V | - | - | - | - | - | |
| 頻率 | 範圍 | 0.0 - 1000.0Hz | | | | | | |
| | 解析度 | 0.1Hz | | | | | | |
| | 精確度 | ± 0.1Hz at 45.0 - 500.0Hz/± 0.5 Hz at 501.0 - 1000.0Hz | | | | | | |
| 功率 | 範圍 | L | 0.0 - 350.0W | | | | | |
| | | H | 300 - 4000W | | | | | |
| | 解析度 | L | 0.1W | | | | | |
| | | H | 1W | | | | | |
| | 精確度 | L | ±(0.6% of reading + 5 counts) ⁶ /±(0.5% of reading + 30 counts) ⁷ | | | | | |
| | | H | ±(0.6% of reading + 2 counts) ⁶ /±(0.5% of reading + 5 counts) ⁷ | | | | | |

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|---------------------------------|--|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 一般規格 | | | | | | |
| 突波 / 陷波 | SD-Volt : 0.0 - 300.0V, Resolution : 0.1V SD-Site : 0 - 20ms at SD-Cont. : ON, 0 - 99ms at SD-Cont. : OFF, Resolution : 1ms SD-Time : 0 - 20ms at SD-Cont. : ON, 0 - 99ms at SD-Cont. : OFF, Resolution : 1ms SD-Cont. : ON/OFF | | | | | |
| 遠端控制輸入訊號 介面 (選購) | Test, Reset, Recall memory 1 through 7 | | | | | |
| 遠端控制輸出訊號 | Pass, Fail, Test-in Process | | | | | |
| 輸入端形式 | Inlet | Terminal | | | | |
| 記憶組 | 50 memories, 9 steps/memory | | | | | |
| 同步輸出訊號 | Output Signal 10V, BNC type, Between the sync signal and the output voltage will be 0.5ms time difference | | | | | |
| 顯示器 | 240 x 64 dot resolution Monographic LCD/Contrast 9 Levels 1 - 9 | | | | | |
| 保護功能 | OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown | | | | | |
| 介面 8 | Standard USB & RS232, Optional GPIB, PLC Remote Input Card | | | | | |
| 操作溫度 / 儲存溫度 / 濕度 | 0 to 40°C/-40 to 75°C/20 to 80%RH | | | | | |
| 尺寸 (寬 x 高 x 深), mm ⁹ | 430 x 89 (111.5) x 400 | 430 x 89 (111.5) x 560 (588) | 430 x 268 (355) x 650 (730) | 430 x 624 (711) x 650 (730) | 430 x 624 (711) x 650 (730) | 430 x 624 (711) x 650 (730) |
| 重量 | 24kg | 39kg | 90kg | 165kg | 192kg | - |
| 標準配件 | | | | | | |
| 1224 USB Cable*1 | | | | | | |

*Product specifications are subject to change without notice

- Maximum current when output voltage at 120/240V
- Maximum current when output voltage at 240/480V
- The input voltage is restricted not to be lower than -5% of rated input voltage when output voltages reach >140V at 0 - 150V range & >280V at 0 - 300V range.
The input voltage is restricted not to be lower than -5% of rated input voltage when output voltages reach >280V at 0 - 300V range & >560V at 0 - 600V range. (Optional 0 - 600V).
- At voltage > 5V
- a. When output frequency ≥ 100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.01A
b. When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A
c. When output frequency ≥ 100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A at 600V models
d. When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.03A at 600V models
- At 60 - 300V and PF > 0.5
- At 120 - 600V and PF > 0.5
- Only one interface can be selected among PLC Remote I/P interface, RS232 & USB & GPIB interface card.
- Figure in parentheses are maximum values with fixture stand

產品型號

- 6705 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (500VA)
- 6710 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (1kVA)
- 6720 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (2kVA)
- 6730 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (3kVA)
- 6740 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (4kVA)
- 6750 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (5kVA)

選購功能

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.612 PLC Remote I/P Interface
- OPT.623 Low Range meter Resolution 0.1mA/0.01W for 6705 & 6710
- OPT.624 Output Voltage 600V
- OPT.625 Output Frequency 45-1kHz
- OPT.655 Sync Signal +5V/pulse 15ms
- OPT.663 Replace RS232 Interface by PLC Remote Interface
- OPT.664 Output Voltage 1kV for 6710 & 6720
- OPT.665 V sensor function for 6720
- OPT.667 Suppression Input Voltage