



PEL-5000C 系列

超高功率直流電子負載

特 點

- 最大功率可達 192KW
- 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 (600V,1200V機種)
- 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 測試
- 可選用介面： GPIB、RS232、USB、LAN

GW INSTEK
Simply Reliable

超高功率直流電子負載

150V
600V
1200V

6kW~
24kW

24
Models
Type



PEL-5000C 系列



說 明

- PEL-5000C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1200V，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
- 研發、品管
- ATE系統
- 生產測試

超高功率直流電子負載

| 規格 | | | | | | | | |
|---|--------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| MODEL | PEL-5006C-150-600 | | PEL-5008C-150-800 | | PEL-5010C-150-1000 | | PEL-5012C-150-1200 | |
| Power ^{*1} | 6kW | | 8kW | | 10kW | | 12kW | |
| Current | 0 ~ 60A | 0 ~ 600A | 0 ~ 80A | 0 ~ 800A | 0 ~ 100A | 0 ~ 1000A | 0 ~ 120A | 0 ~ 1200A |
| Voltage | 0 ~ 150V | | | | | | | |
| Min. Operating Voltage | 0.7V @ 600A | | 0.7V @ 800A | | 0.7V @ 1000A | | 0.7V @ 1200A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 105% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{*2} | 60A | 600A | 80A | 800A | 100A | 1000A | 120A | 1200A |
| Resolution | 0.96mA | 9.6mA | 1.28mA | 12.8mA | 1.6mA | 16mA | 1.92mA | 19.2mA |
| Accuracy ^{*3} | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 15000Ω~0.25Ω | 0.25Ω~0.0012Ω | 11250Ω~0.1875Ω | 0.1875Ω~0.0009Ω | 9000Ω~0.15Ω | 0.15Ω~0.0007Ω | 7500Ω~0.125Ω | 0.125Ω~0.0006Ω |
| Resolution | 66.666μS | 4.167μΩ | 88.888μS | 3.125μΩ | 111.111μS | 2.5μΩ | 133.333μS | 2.084μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 150V | | | | | | | |
| Resolution | 2.5mV | | | | | | | |
| Accuracy | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 600W | 6000W | 800W | 8000W | 1000W | 10000W | 1200W | 12000W |
| Resolution | 9.6mW | 96mW | 12.8mW | 128mW | 16mW | 160mW | 19.2mW | 192mW |
| Accuracy | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 150V | 600A | 150V | 800A | 150V | 1000A | 150V | 1200A |
| Resolution | 2.5mV | 9.6mA | 2.5mV | 12.8mA | 2.5mV | 3.2mA | 2.5mV | 19.2mA |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 150V | 6000W | 150V | 8000W | 150V | 10000W | 150V | 12000W |
| Resolution | 2.5mV | 96mW | 2.5mV | 128mW | 2.5mV | 160mW | 2.5mV | 192mW |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0~600A | | 0~800A | | 0~1000A | | 0~1200A | |
| Surge time | 10~1000ms | | 10~1000ms | | 10~1000ms | | 10~1000ms | |
| Surge step | 1~5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms~60000ms ; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | | | | | | | | |
| Thigh & Tlow | 0.010~9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Resolution | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Accuracy | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Slew Rate | 0.0144A~0.9A/μs | 0.144A~9A/μs | 0.0192A~1.2A/μs | 0.192A~12A/μs | 0.024A~1.5A/μs | 0.24A~15A/μs | 0.0288A~1.8A/μs | 0.288A~18A/μs |
| Resolution | 0.0036A/μs | 0.036A/μs | 0.0048A/μs | 0.048A/μs | 0.006A/μs | 0.06A/μs | 0.0072A/μs | 0.072A/μs |
| Min. Rise Time | 66.7μs(typical) | | | | | | | |
| Current | | | | | | | | |
| Range | 0~60A | 60~600A | 0~80A | 80~800A | 0~100A | 100~1000A | 0~120A | 120~1200A |
| Resolution | 0.96mA | 9.6mA | 1.28mA | 12.8mA | 1.6mA | 16mA | 1.92mA | 19.2mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0~15V | 15~150V | 0~15V | 15~150V | 0~15V | 15~150V | 0~15V | 15~150V |
| Resolution | 0.25mV | 2.5mV | 0.25mV | 2.5mV | 0.25mV | 2.5mV | 0.25mV | 2.5mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0~60A | 60~600A | 0~80A | 80~800A | 0~100A | 100~1000A | 0~120A | 120~1200A |
| Resolution | 0.96mA | 9.6mA | 1.28mA | 12.8mA | 1.6mA | 16mA | 1.92mA | 19.2mA |
| Accuracy | ±0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 6000W | | 8000W | | 10000W | | 12000W | |
| Accuracy | ± 0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0012Ω | | 0.0009Ω | | 0.0007Ω | | 0.0006Ω | |
| Maximum Short Current | 600A | | 800A | | 1000A | | 1200A | |
| Load ON Voltage | 0.25 ~ 62.5V | | | | | | | |
| Load OFF Voltage | 0 ~ 62.5V | | | | | | | |
| Power Consumption | 510VA | | 920VA | | 920VA | | 920VA | |
| Dimension (HxWxD) | 445.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | |
| HxWxD(Not included Rack Mount Kit,wheels) | 341.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | |
| Weight | 62 kg | | 77.5 kg | | 84.8 kg | | 92 kg | |
| Temperature ^{*4} | 0~40°C | | | | | | | |
| Safety & EMC | CE | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100~240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度=25°C 時的額定功率規格

註*2：CC Mode 可強制於 Range II

註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.

註*4：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

PEL-5006C-150-600



150V · 600A · 6kW

PEL-5008C-150-800



150V · 800A · 8kW

PEL-5010C-150-1000



150V · 1000A · 10kW

PEL-5012C-150-1200



150V · 1200A · 12kW

超高功率直流電子負載

| 規格 | | | | | | | | |
|---|--------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| MODEL | PEL-5015C-150-1500 | | PEL-5018C-150-1800 | | PEL-5020C-150-2000 | | PEL-5024C-150-2000 | |
| Power ^{*1} | 15kW | | 18kW | | 20kW | | 24kW | |
| Current | 0 ~ 150A | 0 ~ 1500A | 0 ~ 180A | 0 ~ 1800A | 0 ~ 200A | 0 ~ 2000A | 0 ~ 200A | 0 ~ 2000A |
| Voltage | 0 ~ 150V | | | | | | | |
| Min. Operating Voltage | 0.7V @ 1500A | | 0.7V @ 1800A | | 0.7V @ 2000A | | 0.7V @ 2000A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 105% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{*2} | 150A | 1500A | 180A | 1800A | 200A | 2000A | 200A | 2000A |
| Resolution | 2.4mA | 24mA | 2.88mA | 28.8mA | 3.2mA | 32mA | 3.2mA | 32mA |
| Accuracy ^{*3} | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 6000Ω~0.1Ω | 0.1Ω~0.0005Ω | 5000Ω~0.0833Ω | 0.0833Ω~0.0004Ω | 4500Ω~0.075Ω | 0.075Ω~0.0004Ω | 4500Ω~0.075Ω | 0.075Ω~0.0004Ω |
| Resolution | 166.666μS | 1.667μΩ | 200μS | 1.389μΩ | 222.22μS | 1.25μΩ | 222.22μS | 1.25μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 150V | | | | | | | |
| Resolution | 2.5mV | | | | | | | |
| Accuracy | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 1500W | 15000W | 1800W | 18000W | 2000W | 20000W | 2400W | 24000W |
| Resolution | 24mW | 240mW | 28.8mW | 288mW | 32mW | 320mW | 38.4mW | 384mW |
| Accuracy | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 150V | 1500A | 150V | 1800A | 150V | 2000A | 150V | 2000A |
| Resolution | 2.5mV | 24mA | 2.5mV | 28.8mA | 2.5mV | 32mA | 2.5mV | 32mA |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 150V | 15000W | 150V | 18000W | 150V | 20000W | 150V | 24000W |
| Resolution | 2.5mV | 240mW | 2.5mV | 288mW | 2.5mV | 320mW | 2.5mV | 384mW |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0~1500A | | 0~1800A | | 0~2000A | | 0~2000A | |
| Surge time | 10~1000ms | | 10~1000ms | | 10~1000ms | | 10~1000ms | |
| Surge step | 1~5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms~60000ms ; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | | | | | | | | |
| Thigh & Tlow | 0.010~9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Resolution | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Accuracy | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Slew Rate | 0.036A~2.25A/μs | 0.360A~22.5A/μs | 0.0432A~2.7A/μs | 0.432A~27A/μs | 0.048A~3A/μs | 0.48A~30A/μs | 0.048A~3A/μs | 0.48A~30A/μs |
| Resolution | 0.009A/μs | 0.09A/μs | 0.0108A/μs | 0.108A/μs | 0.012A/μs | 0.12A/μs | 0.012A/μs | 0.12A/μs |
| Min. Rise Time | 66.7μs (typical) | | | | | | | |
| Current | | | | | | | | |
| Range | 0~150A | 150~1500A | 0~180A | 180~1800A | 0~200A | 200~2000A | 0~200A | 200~2000A |
| Resolution | 2.4mA | 24mA | 2.88mA | 28.8mA | 3.2mA | 32mA | 3.2mA | 32mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0~15V | 15~150V | 0~15V | 15~150V | 0~15V | 15~150V | 0~15V | 15~150V |
| Resolution | 0.25mV | 2.5mV | 0.25mV | 2.5mV | 0.25mV | 2.5mV | 0.25mV | 2.5mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0~150A | 15~1500A | 0~180A | 180~1800A | 0~200A | 200~2000A | 0~200A | 200~2000A |
| Resolution | 2.4mA | 24mA | 2.88mA | 28.8mA | 3.2mA | 32mA | 3.2mA | 32mA |
| Accuracy | ± 0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 15000W | | 18000W | | 20000W | | 24000W | |
| Accuracy | ± 0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0005Ω | | 0.0004Ω | | 0.0004Ω | | 0.0004Ω | |
| Maximum Short Current | 1500A | | 1800A | | 2000A | | 2000A | |
| Load ON Voltage | 0.25 ~ 62.5V | | | | | | | |
| Load OFF Voltage | 0 ~ 62.5V | | | | | | | |
| Power Consumption | 1320VA | | 1320VA | | 1700VA | | 1700VA | |
| Dimension (HxWxD) | 760.6x481x757.3mm | | 760.6x481x757.3mm | | 886.6x481x757.3mm | | 886.6x481x757.3mm | |
| HxWxD (Not included Rack Mount Kit,wheels) | 656.6x445.2x757.3mm | | 656.6x445.2x757.3mm | | 782.6x445.2x757.3mm | | 782.6x445.2x757.3mm | |
| Weight | 116.5 kg | | 124 kg | | 140.5 kg | | 155 kg | |
| Temperature ^{*4} | 0~40°C | | | | | | | |
| Safety & EMC | CE | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100~240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度=25°C 時的額定功率規格

註*2：CC Mode 可強制於 Range II

註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.

註*4：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

PEL-5015C-150-1500



150V · 1500A · 15kW

PEL-5018C-150-1800



150V · 1800A · 18kW

PEL-5020C-150-2000



150V · 2000A · 20kW

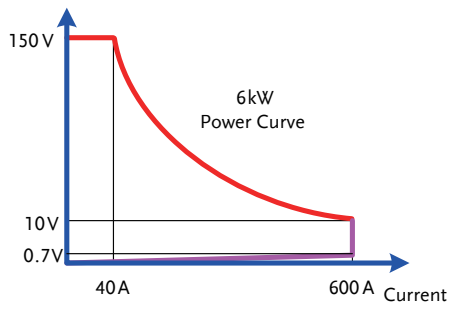
PEL-5024C-150-2000



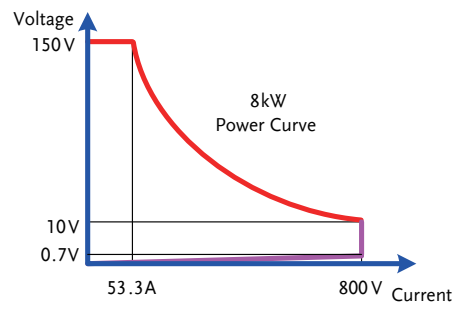
150V · 2000A · 24kW

超高功率直流電子負載

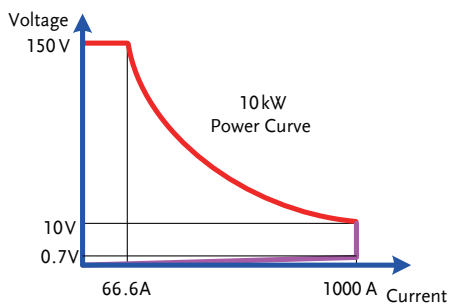
功率曲線



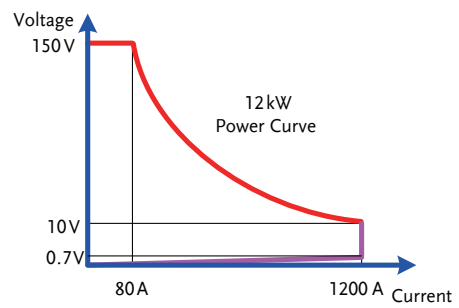
PEL-5006C-150-600



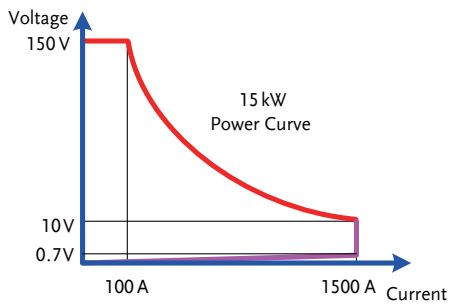
PEL-5008C-150-800



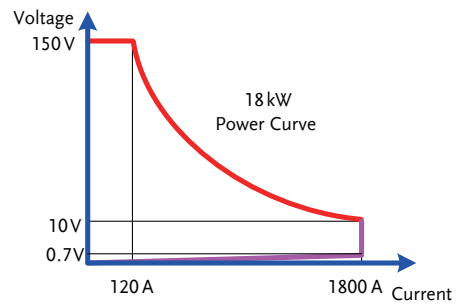
PEL-5010C-150-1000



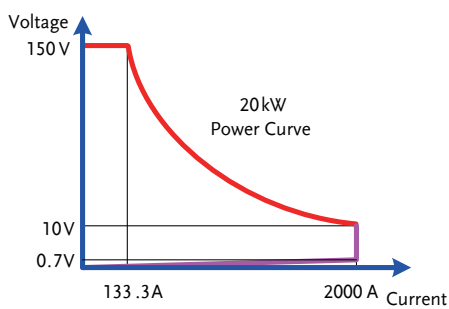
PEL-5012C-150-1200



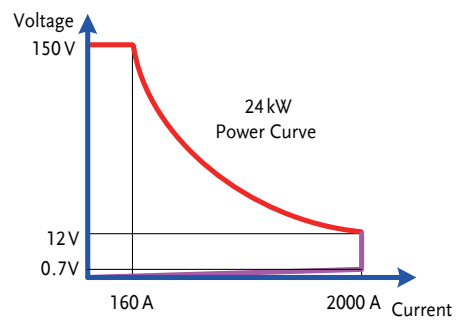
PEL-5015C-150-1500



PEL-5018C-150-1800



PEL-5020C-150-2000



PEL-5024C-150-2000

超高功率直流電子負載

| 規格 | | | | | | | | |
|---|--------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| MODEL | PEL-5006C-600-420 | | PEL-5008C-600-560 | | PEL-5010C-600-700 | | PEL-5012C-600-840 | |
| Power ^{*1} | 6kW | | 8kW | | 10kW | | 12kW | |
| Current | 0 ~ 42A | 0 ~ 420A | 0 ~ 56A | 0 ~ 560A | 0 ~ 70A | 0 ~ 700A | 0 ~ 84A | 0 ~ 840A |
| Voltage | 0 ~ 600V | | | | | | | |
| Min. Operating Voltage | 10V @ 420A | | 10V @ 560A | | 10V @ 700A | | 10V @ 840A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 105% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{*2} | 42A | 420A | 56A | 560A | 70A | 700A | 84A | 840A |
| Resolution | 0.672mA | 6.72mA | 0.896mA | 8.96mA | 1.12mA | 11.2mA | 1.334mA | 13.44mA |
| Accuracy ^{*3} | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 85712Ω-1.42853Ω | 1.42853Ω-0.02384Ω | 64284Ω-1.0714Ω | 1.0714Ω-0.01788Ω | 51427.2Ω-0.85712Ω | 0.85712Ω-0.014304Ω | 42856Ω-0.714267Ω | 0.714267Ω-0.01192Ω |
| Resolution | 11.6669μS | 23.84μΩ | 15.5559μS | 17.88μΩ | 19.4449μS | 14.304μΩ | 23.3339μS | 11.92μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 600V | | | | | | | |
| Resolution | 10mV | | | | | | | |
| Accuracy | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 600W | 6000W | 800W | 8000W | 1000W | 10000W | 1200W | 12000W |
| Resolution | 9.6mW | 96mW | 12.8mW | 128mW | 16mW | 160mW | 19.2mW | 192mW |
| Accuracy | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 600V | 420A | 600V | 560A | 600V | 700A | 600V | 840A |
| Resolution | 10mV | 6.72mA | 10mV | 8.96mA | 10mV | 11.2mA | 10mV | 13.44mA |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 600V | 6000W | 600V | 8000W | 600V | 10000W | 600V | 12000W |
| Resolution | 10mV | 96mW | 10mV | 128mW | 10mV | 160mW | 10mV | 192mW |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0-420A | | 0-560A | | 0-700A | | 0-840A | |
| Surge time | 10-1000ms | | 10-1000ms | | 10-1000ms | | 10-1000ms | |
| Surge step | 1-5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms-60000ms ; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | 0.010-9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Thigh & Tlow | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Resolution | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Accuracy | ± 0.2% of (Setting + Range) | | | | | | | |
| Slew Rate | 0.0288-1.8A/μs | 0.288A-1.8A/μs | 0.0288A-1.8A/μs | 0.288A-1.8A/μs | 0.0336A-2.1A/μs | 0.336A-2.1A/μs | 0.0384A-2.4/μs | 0.384A-2.4A/μs |
| Resolution | 0.0072A/μs | 0.072A/μs | 0.0072A/μs | 0.072A/μs | 0.0084A/μs | 0.084A/μs | 0.0096A/μs | 0.096A/μs |
| Current | | | | | | | | |
| Range | 0-42A | 42-420A | 0-56A | 56-560A | 0-70A | 70-700A | 0-84A | 84-840A |
| Resolution | 0.672mA | 6.72mA | 0.896mA | 8.96mA | 1.12mA | 11.2mA | 1.334mA | 13.34mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0-60V | 60-600V | 0-60V | 60-600V | 0-60V | 60-600V | 0-60V | 60-600V |
| Resolution | 1mV | 10mV | 1mV | 10mV | 1mV | 10mV | 1mV | 10mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0-42A | 42-420A | 0-56A | 56-560A | 0-70A | 70-700A | 0-84A | 84-840A |
| Resolution | 0.672mA | 6.72mA | 0.896mA | 8.96mA | 1.12mA | 11.2mA | 1.334mA | 13.34mA |
| Accuracy | ±0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 6000W | | 8000W | | 10000W | | 12000W | |
| Accuracy | ± 0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0239Ω | | 0.0179Ω | | 0.0143Ω | | 0.00120Ω | |
| Maximum Short Current | 420A | | 560A | | 700A | | 840A | |
| Load ON Voltage | 0.4 ~ 100V | | | | | | | |
| Load OFF Voltage | 0 ~ 100V | | | | | | | |
| Power Consumption | 510VA | | 920VA | | 920VA | | 920VA | |
| Dimension (HxWxD) | 445.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | |
| HxWxD(Not included Rack Mount Kit,wheels) | 341.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | |
| Weight | 62 kg | | 77.5 kg | | 84.8 kg | | 92 kg | |
| Temperature ^{*4} | 0-40°C | | | | | | | |
| Safety & EMC | | | | | | | | |
| CE | | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100-240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度=25°C時的額定功率規格

註*2：CC Mode可強制於Range II

註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.

註*4：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

PEL-5006C-600-420



600V · 420A · 6kW

PEL-5008C-600-560



600V · 560A · 8kW

PEL-5010C-600-700



600V · 700A · 10kW

PEL-5012C-600-840



600V · 840A · 12kW

超高功率直流電子負載

| 規格 | | | | | | | | |
|---|--------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| MODEL | PEL-5015C-600-1050 | | PEL-5018C-600-1260 | | PEL-5020C-600-1400 | | PEL-5024C-600-1680 | |
| Power ^{*1} | 15kW | | 18kW | | 20kW | | 24kW | |
| Current | 0 ~ 105A | 0 ~ 1050A | 0 ~ 126A | 0 ~ 1260A | 0 ~ 140A | 0 ~ 1400A | 0 ~ 168A | 0 ~ 1680A |
| Voltage | 0 ~ 600V | | | | | | | |
| Min. Operating Voltage | 10V @ 1050A | | 10V @ 1260A | | 10V @ 1400A | | 10V @ 1680A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 105% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{*2} | 105A | 1050A | 126A | 1260A | 140A | 1400A | 168A | 1680A |
| Resolution | 1.68mA | 16.8mA | 2.016mA | 20.16mA | 2.24mA | 22.4mA | 2.688mA | 26.88mA |
| Accuracy ^{*3} | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 34284.8~0.571413Ω | 0.571413~0.009536Ω | 28570.67~0.476178Ω | 0.476178~0.007947Ω | 25713.6~0.42856Ω | 0.42856~0.007152Ω | 21428~0.357133Ω | 0.357133~0.00596Ω |
| Resolution | 29.1674μS | 9.536μΩ | 35.0009μS | 7.947μΩ | 38.8899μS | 7.152μΩ | 46.6679μS | 5.96μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 600V | | | | | | | |
| Resolution | 10mV | | | | | | | |
| Accuracy | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 1500W | 15000W | 1800W | 18000W | 2000W | 20000W | 2400W | 24000W |
| Resolution | 24mW | 240mW | 28.8mW | 288mW | 32mW | 320mW | 38.4mW | 384mW |
| Accuracy | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.2% of (Setting+Range) | ± 0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 600V | 1050A | 600V | 1260A | 600V | 1400A | 600V | 1680A |
| Resolution | 10mV | 16.8mA | 10mV | 20.16mA | 10mV | 22.4mA | 10mV | 26.88mA |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 600V | 15000W | 600V | 18000W | 600V | 20000W | 600V | 24000W |
| Resolution | 10mV | 240mW | 10mV | 288mW | 10mV | 320mW | 10mV | 384mW |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0~1050A | | 0~1260A | | 0~1400A | | 0~1680A | |
| Surge time | 10~1000ms | | 10~1000ms | | 10~1000ms | | 10~1000ms | |
| Surge step | 1~5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms~6000ms ; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | | | | | | | | |
| Thigh & Tlow | 0.010~9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Resolution | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Accuracy | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Slew Rate | 0.0432A~2.7A/μs | 0.432A~27A/μs | 0.048A~3A/μs | 0.48A~30A/μs | 0.0528A~3.3A/μs | 0.528A~33A/μs | 0.0576A~3.6A/μs | 0.576A~36A/μs |
| Resolution | 0.0108A/μs | 0.108A/μs | 0.012A/μs | 0.12A/μs | 0.0132A/μs | 0.132A/μs | 0.0144A/μs | 0.144A/μs |
| Current | | | | | | | | |
| Range | 0~105A | 105~1050A | 0~126A | 126~1260A | 0~140A | 140~1400A | 0~168A | 168~1680A |
| Resolution | 1.68mA | 16.8mA | 2.016mA | 20.16mA | 2.24mA | 22.4mA | 2.688mA | 26.88mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0~60V | 60~600V | 0~60V | 60~600V | 0~60V | 60~600V | 0~60V | 60~600V |
| Resolution | 1mV | 10mV | 1mV | 10mV | 1mV | 10mV | 1mV | 10mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0~105A | 105~1050A | 0~126A | 126~1260A | 0~140A | 140~1400A | 0~168A | 168~1680A |
| Resolution | 1.68mA | 16.8mA | 2.016mA | 20.16mA | 2.24mA | 22.4mA | 2.688mA | 26.88mA |
| Accuracy | ± 0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 15000W | | 18000W | | 20000W | | 24000W | |
| Accuracy | ± 0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0096Ω | | 0.0080Ω | | 0.0072Ω | | 0.0060Ω | |
| Maximum Short Current | 1050A | | 1260A | | 1400A | | 1680A | |
| Load ON Voltage | 0.4 ~ 100V | | | | | | | |
| Load OFF Voltage | 0 ~ 100V | | | | | | | |
| Power Consumption | 1320VA | | 1320VA | | 1700VA | | 1700VA | |
| Dimension (HxWxD) | 760.6x481x757.3mm | | 760.6x481x757.3mm | | 886.6x481x757.3mm | | 886.6x481x757.3mm | |
| HxWxD (Not included Rack Mount Kit, wheels) | 656.6x445.2x757.3mm | | 656.6x445.2x757.3mm | | 782.6x445.2x757.3mm | | 782.6x445.2x757.3mm | |
| Weight | 116.5 kg | | 124 kg | | 140.5 kg | | 155 kg | |
| Temperature ^{*4} | 0~40°C | | | | | | | |
| Safety & EMC | CE | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100~240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度=25°C 時的額定功率規格

註*2：CC Mode 可強制於 Range II

註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.

註*4：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

PEL-5015C-600-1050



600V · 1050A · 15kW

PEL-5018C-600-1260



600V · 1260A · 18kW

PEL-5020C-600-1400



600V · 1400A · 20kW

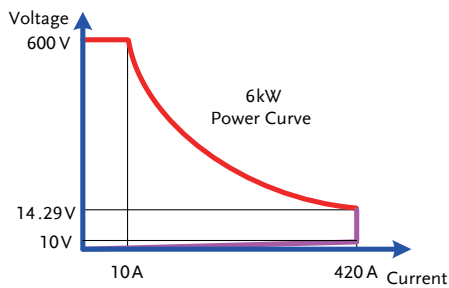
PEL-5024C-600-1680



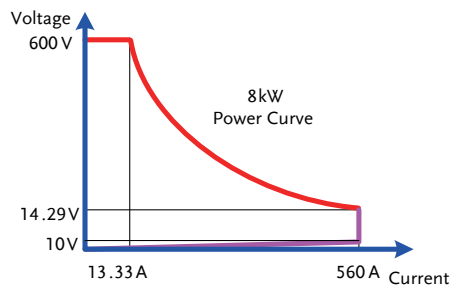
600V · 1680A · 24kW

超高功率直流電子負載

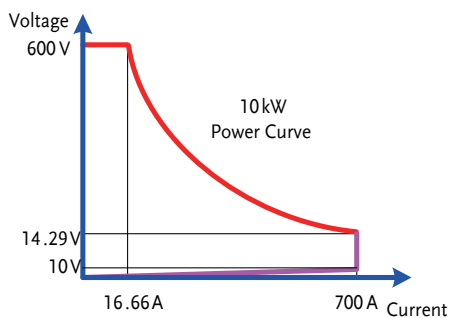
功率曲線



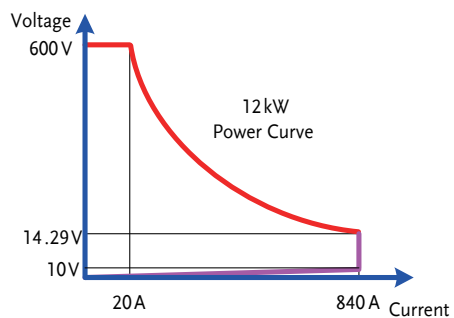
PEL-5006C-600-420



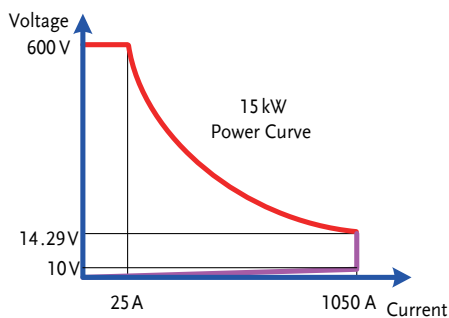
PEL-5008C-600-560



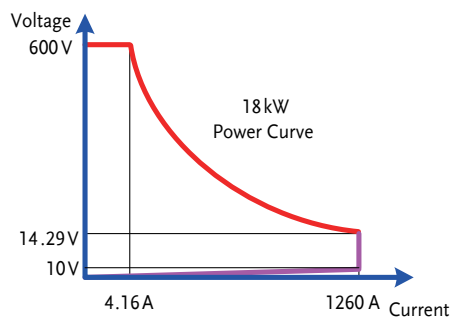
PEL-5010C-600-700



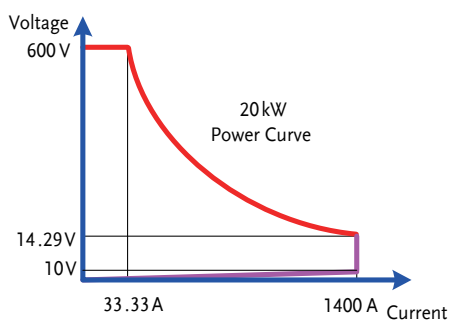
PEL-5012C-600-840



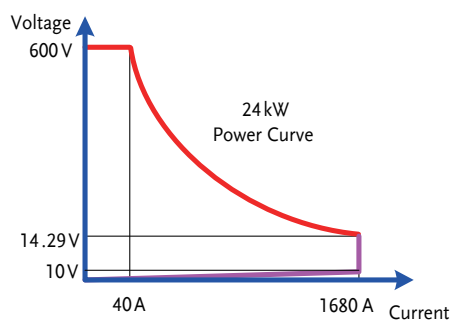
PEL-5015C-600-1050



PEL-5018C-600-1260



PEL-5020C-600-1400



PEL-5024C-600-1680

超高功率直流電子負載

| 規格 | | | | | | | | |
|---|--------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| MODEL | PEL-5006C-1200-240 | | PEL-5008C-1200-320 | | PEL-5010C-1200-400 | | PEL-5012C-1200-480 | |
| Power ^{*1} | 6kW | | 8kW | | 10kW | | 12kW | |
| Current | 0 ~ 24A | 0 ~ 240A | 0 ~ 32A | 0 ~ 320A | 0 ~ 40A | 0 ~ 400A | 0 ~ 48A | 0 ~ 480A |
| Voltage | 0 ~ 1200V | | | | | | | |
| Min. Operating Voltage | 15V @ 240A | | 15V @ 320A | | 15V @ 400A | | 15V @ 480A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 104% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{*2} | 24A | 240A | 32A | 320A | 40A | 400A | 48A | 480A |
| Resolution | 0.384mA | 3.84mA | 0.512mA | 5.12mA | 0.64mA | 6.4mA | 0.768mA | 7.68mA |
| Accuracy ^{*3} | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 30KΩ-5Ω | 5Ω-0.0625Ω | 22.5KΩ-3.75Ω | 3.75Ω-0.0468Ω | 18KΩ-3Ω | 3Ω-0.0375Ω | 15KΩ-2.5Ω | 2.5Ω-0.0312Ω |
| Resolution | 3.333μS | 83.334μΩ | 4.444μS | 62.5μΩ | 5.555μS | 50μΩ | 6.666μS | 41.667μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 1200V | | | | | | | |
| Resolution | 20mV | | | | | | | |
| Accuracy | ± 0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 600W | 6000W | 800W | 8000W | 1000W | 10000W | 1200W | 12000W |
| Resolution | 9.6mW | 96mW | 12.8mW | 128mW | 16mW | 160mW | 19.2mW | 192mW |
| Accuracy | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) | ± 0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 1200V | 240A | 1200V | 320A | 1200V | 400A | 1200V | 480A |
| Resolution | 20mV | 3.84mA | 20mV | 5.12mA | 20mV | 6.4mA | 20mV | 7.68mA |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 1200V | 6000W | 1200V | 8000W | 1200V | 10000W | 1200V | 12000W |
| Resolution | 20mV | 96mW | 20mV | 128mW | 20mV | 160mW | 20mV | 192mW |
| Accuracy | ± 1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0-240A | | 0-320A | | 0-400A | | 0-480A | |
| Surge time | 10-1000ms | | 10-1000ms | | 10-1000ms | | 10-1000ms | |
| Surge step | 1-5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms-6000ms; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | | | | | | | | |
| Thigh & Tlow | 0.010-9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Resolution | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Accuracy | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Slew Rate | 0.0192A-1.2A/μs | 0.192A-12A/μs | 0.0192A-1.2A/μs | 0.192A-12A/μs | 0.0224A-1.4A/μs | 0.224A-14A/μs | 0.0256A-1.6A/μs | 0.256A-16A/μs |
| Resolution | 0.0048A/μs | 0.048A/μs | 0.0048A/μs | 0.048A/μs | 0.0056A/μs | 0.056A/μs | 0.0064A/μs | 0.064A/μs |
| Current | | | | | | | | |
| Range | 0-24A | 24-240A | 0-32A | 32-320A | 0-40A | 40-400A | 0-48A | 48-480A |
| Resolution | 0.384mA | 3.84mA | 0.512mA | 5.12mA | 0.64mA | 6.4mA | 0.768mA | 7.68mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0-120V | 120-1200V | 0-120V | 120-1200V | 0-120V | 120-1200V | 0-120V | 120-1200V |
| Resolution | 2mV | 20mV | 2mV | 20mV | 2mV | 20mV | 2mV | 20mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0-24A | 24-240A | 0-32A | 32-320A | 0-40A | 40-400A | 0-48A | 48-480A |
| Resolution | 0.384mA | 3.84mA | 0.512mA | 5.12mA | 0.64mA | 6.4mA | 0.768mA | 7.68mA |
| Accuracy | ±0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 6000W | | 8000W | | 10000W | | 12000W | |
| Accuracy | ± 0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0625Ω | | 0.0469Ω | | 0.0375Ω | | 0.0313Ω | |
| Maximum Short Current | 240A | | 320A | | 400A | | 480A | |
| Load ON Voltage | 0.96 ~ 240V | | | | | | | |
| Load OFF Voltage | 0 ~ 240V | | | | | | | |
| Power Consumption | 510VA | | 920VA | | 920VA | | 920VA | |
| Dimension (HxWxD) | 445.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | | 571.6x481x757.3mm | |
| HxWxD ^(Not included Rack Mount Kit/wheels) | 341.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | | 467.6x445.2x757.3mm | |
| Weight | 62 kg | | 77.5 kg | | 84.8 kg | | 92 kg | |
| Temperature ^{*4} | 0-40°C | | | | | | | |
| Safety & EMC | CE | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100-240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度-25°C時的額定功率規格
 註*2：CC Mode可強制於Range II
 註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.
 註*4：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

PEL-5006C-1200-240

PEL-5008C-1200-320

PEL-5010C-1200-400

PEL-5012C-1200-480



1200V · 240A · 6kW



1200V · 320A · 8kW



1200V · 400A · 10kW



1200V · 480A · 12kW

超高功率直流電子負載

| 規 格 | | | | | | | | |
|---|--------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| MODEL | PEL-5015C-1200-600 | | PEL-5018C-1200-720 | | PEL-5020C-1200-800 | | PEL-5024C-1200-960 | |
| Power ^{註1} | 15kW | | 18kW | | 20kW | | 24kW | |
| Current | 0 ~ 60A | 0 ~ 600A | 0 ~ 72A | 0 ~ 720A | 0 ~ 80A | 0 ~ 800A | 0 ~ 96A | 0 ~ 960A |
| Voltage | 0 ~ 1200V | | | | | | | |
| Min. Operating Voltage | 15V @ 600A | | 15V @ 720A | | 15V @ 800A | | 15V @ 960A | |
| Protections | | | | | | | | |
| Over Power Protection (OPP) | 105% | | | | | | | |
| Over Current Protection (OCP) | 104% | | | | | | | |
| Over Voltage Protection (OVP) | 104% | | | | | | | |
| Over Temp Protection (OTP) | 90°C±5°C | | | | | | | |
| Constant Current Mode | | | | | | | | |
| Range ^{註2} | 60A | 600A | 72A | 720A | 80A | 800A | 96A | 960A |
| Resolution | 0.96mA | 9.6mA | 1.152mA | 11.52mA | 1.28mA | 12.8mA | 1.536mA | 15.36mA |
| Accuracy ^{註3} | ±0.05% of (Setting + Range) | | | | | | | |
| Constant Resistance Mode | | | | | | | | |
| Range | 12Ω-2Ω | 2Ω-0.0250Ω | 10KΩ-1.666Ω | 1.666Ω-0.0208Ω | 9KΩ-1.5Ω | 1.5Ω-0.0187Ω | 7.5KΩ-1.25Ω | 1.25Ω-0.0156Ω |
| Resolution | 8.3333μS | 33.334μΩ | 10μS | 27.778μΩ | 11.111μS | 25μΩ | 13.333μS | 20.834μΩ |
| Accuracy | ±0.2% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode | | | | | | | | |
| Range | 1200V | | | | | | | |
| Resolution | 20mV | | | | | | | |
| Accuracy | ±0.05% of (Setting + Range) | | | | | | | |
| Constant Power Mode | | | | | | | | |
| Range | 1500W | 15000W | 1800W | 18000W | 2000W | 20000W | 2400W | 24000W |
| Resolution | 24mW | 240mW | 28.8mW | 288mW | 32mW | 320mW | 38.4mW | 384mW |
| Accuracy | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) | ±0.1% of (Setting+Range) |
| Constant Voltage Mode + Constant Current Mode | | | | | | | | |
| Range | 1200V | 600A | 1200V | 720A | 1200V | 800A | 1200V | 960A |
| Resolution | 20mV | 9.6mA | 20mV | 3.2mA | 20mV | 3.84mA | 20mV | 15.36mA |
| Accuracy | ±1.0% of (Setting + Range) | | | | | | | |
| Constant Voltage Mode + Constant Power Mode | | | | | | | | |
| Range | 1200V | 15000W | 1200V | 18000W | 1200V | 20000W | 1200V | 24000W |
| Resolution | 20mV | 240mW | 20mV | 288mW | 20mV | 320mW | 20mV | 384mW |
| Accuracy | ±1.0% of (Setting + Range) | | | | | | | |
| Surge Test | | | | | | | | |
| Surge & Normal current | 0-600A | | 0-720A | | 0-800A | | 0-960A | |
| Surge time | 10-1000ms | | 10-1000ms | | 10-1000ms | | 10-1000ms | |
| Surge step | 1-5 | | | | | | | |
| MPPT Mode | | | | | | | | |
| Algorithm | P&O | | | | | | | |
| Load mode | CV | | | | | | | |
| P&O interval | 1000ms-60000ms ; resolution 1000ms | | | | | | | |
| Dynamic Mode | | | | | | | | |
| Timing | | | | | | | | |
| Thigh & Tlow | 0.010-9.999 / 99.99 / 999.9 / 9999ms | | | | | | | |
| Resolution | 0.001 / 0.01 / 0.1 / 1ms | | | | | | | |
| Accuracy | 1μs / 10μs / 100μs / 1ms + 50ppm | | | | | | | |
| Slew Rate | 0.0288A-1.8A/μs | 0.288A-18A/μs | 0.032A-2A/μs | 0.32A-20A/μs | 0.0352A-2.2A/μs | 0.352A-22A/μs | 0.0384A-2.4A/μs | 0.384A-24A/μs |
| Resolution | 0.0072A/μs | 0.072A/μs | 0.008A/μs | 0.08A/μs | 0.0088A/μs | 0.088A/μs | 0.0096A/μs | 0.096A/μs |
| Current | | | | | | | | |
| Range | 0-60A | 60-600A | 0-72A | 72-720A | 0-80A | 80-800A | 0-96A | 96-960A |
| Resolution | 0.96mA | 9.6mA | 1.152mA | 11.52mA | 1.28mA | 12.8mA | 1.536mA | 15.36mA |
| Measurement | | | | | | | | |
| Voltage Read Back | | | | | | | | |
| Range (5 Digital) | 0-120V | 120-1200V | 0-120V | 120-1200V | 0-120V | 120-1200V | 0-120V | 120-1200V |
| Resolution | 2mV | 20mV | 2mV | 20mV | 2mV | 20mV | 2mV | 20mV |
| Accuracy | ±0.025% of (Reading + Range) | | | | | | | |
| Current Read Back | | | | | | | | |
| Range (5 Digital) | 0-60A | 60-600A | 0-72A | 72-720A | 0-80A | 80-800A | 0-96A | 96-960A |
| Resolution | 0.96mA | 9.6mA | 1.152mA | 11.52mA | 1.28mA | 12.8mA | 1.536mA | 15.36mA |
| Accuracy | ±0.05% of (Reading + Range) | | | | | | | |
| Power Read Back | | | | | | | | |
| Range (5 Digital) | 15000W | | 18000W | | 20000W | | 24000W | |
| Accuracy | ±0.06% of (Reading + Range) | | | | | | | |
| General | | | | | | | | |
| Typical Short Resistance | 0.0250Ω | | 0.0209Ω | | 0.0188Ω | | 0.0157Ω | |
| Maximum Short Current | 600A | | 720A | | 800A | | 960A | |
| Load ON Voltage | 0.96 ~ 240V | | | | | | | |
| Load OFF Voltage | 0 ~ 240V | | | | | | | |
| Power Consumption | 1320VA | | 1320VA | | 1700VA | | 1700VA | |
| Dimension (HxWxD) | 760.6x481x757.3mm | | 760.6x481x757.3mm | | 886.6x481x757.3mm | | 886.6x481x757.3mm | |
| HxWxD(Not included Rack Mount Kit, wheels) | 656.6x445.2x757.3mm | | 656.6x445.2x757.3mm | | 782.6x445.2x757.3mm | | 782.6x445.2x757.3mm | |
| Weight | 116.5 kg | | 124 kg | | 140.5 kg | | 155 kg | |
| Temperature ^{註4} | 0-40°C | | | | | | | |
| Safety & EMC | CE | | | | | | | |

冷卻方式：智慧型風扇冷卻

輸入電源：100-240 Vac ±10% · 50/60Hz, Single-phase

註*1：環境溫度=25°C 時的額定功率規格
 註*2：CC Mode 可強制於 Range II
 註*3：如果工作電流低於0.1%範圍，則精度規格為0.1%F.S.
 註*4：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

PEL-5015C-1200-600



1200V · 600A · 15kW

PEL-5018C-1200-720



1200V · 720A · 18kW

PEL-5020C-1200-800



1200V · 800A · 20kW

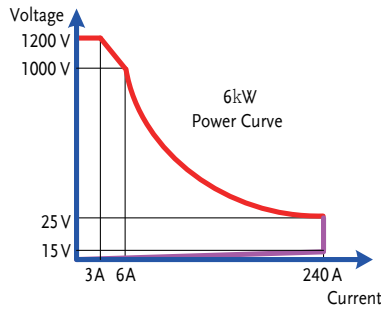
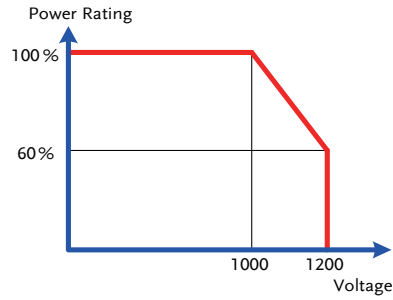
PEL-5024C-1200-960



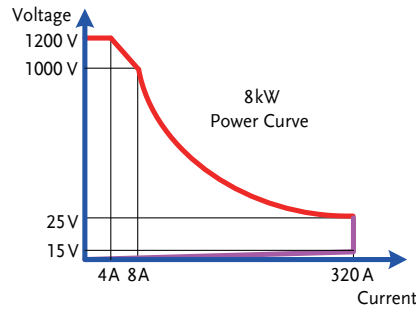
1200V · 960A · 24kW

超高功率直流電子負載

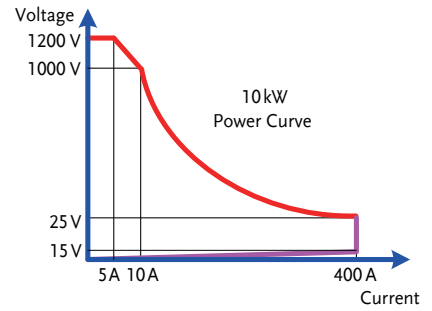
功率曲線



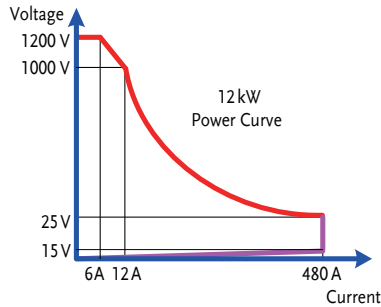
PEL-5006C-1200-240



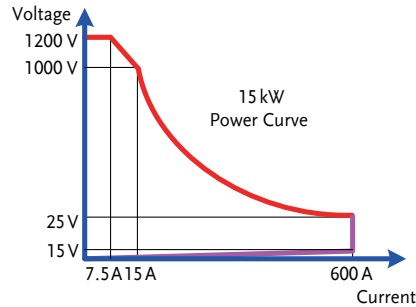
PEL-5008C-1200-320



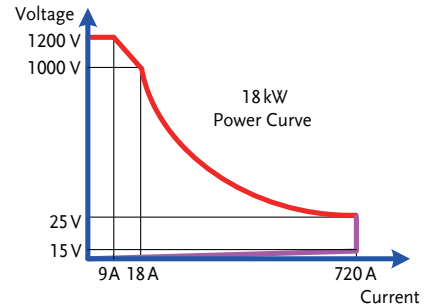
PEL-5010C-1200-400



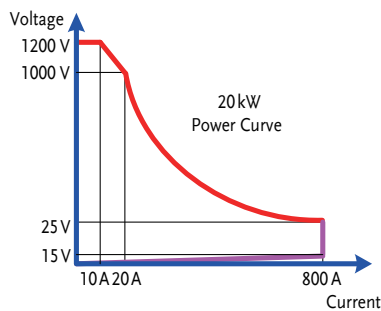
PEL-5012C-1200-480



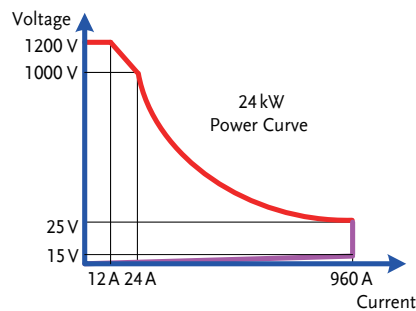
PEL-5015C-1200-600



PEL-5018C-1200-720

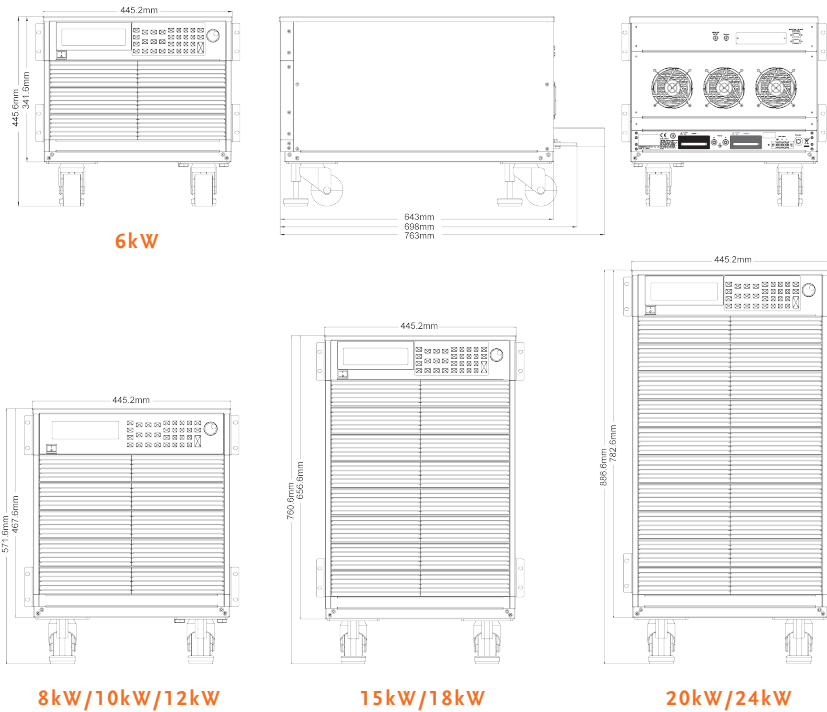


PEL-5020C-1200-800

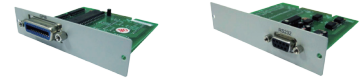


PEL-5024C-1200-960

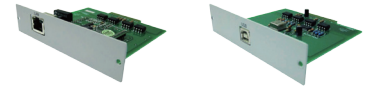
PEL-5000C 系列尺寸圖



PEL-022 GPIB Card PEL-023 RS-232 Card



PEL-024 LAN Card PEL-025 USB Card



PEL-026 Hook Ring PEL-027 Rack Mount Kit PEL-028 Handles



購 買 資 訊

| | | |
|--------------------|-----------------|------------|
| PEL-5006C-150-600 | 150V/600A/6kW | 超高功率直流電子負載 |
| PEL-5008C-150-800 | 150V/800A/8kW | 超高功率直流電子負載 |
| PEL-5010C-150-1000 | 150V/1000A/10kW | 超高功率直流電子負載 |
| PEL-5012C-150-1200 | 150V/1200A/12kW | 超高功率直流電子負載 |
| PEL-5015C-150-1500 | 150V/1500A/15kW | 超高功率直流電子負載 |
| PEL-5018C-150-1800 | 150V/1800A/18kW | 超高功率直流電子負載 |
| PEL-5020C-150-2000 | 150V/2000A/20kW | 超高功率直流電子負載 |
| PEL-5024C-150-2000 | 150V/2000A/24kW | 超高功率直流電子負載 |
| PEL-5006C-600-420 | 600V/420A/6kW | 超高功率直流電子負載 |
| PEL-5008C-600-560 | 600V/560A/8kW | 超高功率直流電子負載 |
| PEL-5010C-600-700 | 600V/700A/10kW | 超高功率直流電子負載 |
| PEL-5012C-600-840 | 600V/840A/12kW | 超高功率直流電子負載 |

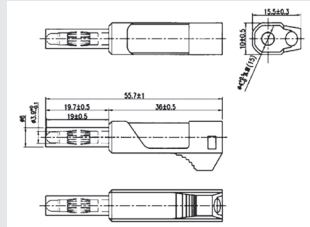
| | | |
|--------------------|-----------------|------------|
| PEL-5015C-600-1050 | 600V/1050A/15kW | 超高功率直流電子負載 |
| PEL-5018C-600-1260 | 600V/1260A/18kW | 超高功率直流電子負載 |
| PEL-5020C-600-1400 | 600V/1400A/20kW | 超高功率直流電子負載 |
| PEL-5024C-600-1680 | 600V/1680A/24kW | 超高功率直流電子負載 |
| PEL-5006C-1200-240 | 1200V/240A/6kW | 超高功率直流電子負載 |
| PEL-5008C-1200-320 | 1200V/320A/8kW | 超高功率直流電子負載 |
| PEL-5010C-1200-400 | 1200V/400A/10kW | 超高功率直流電子負載 |
| PEL-5012C-1200-480 | 1200V/480A/12kW | 超高功率直流電子負載 |
| PEL-5015C-1200-600 | 1200V/600A/15kW | 超高功率直流電子負載 |
| PEL-5018C-1200-720 | 1200V/720A/18kW | 超高功率直流電子負載 |
| PEL-5020C-1200-800 | 1200V/800A/20kW | 超高功率直流電子負載 |
| PEL-5024C-1200-960 | 1200V/960A/24kW | 超高功率直流電子負載 |

PEL-5015C-1200-600

Power rating: 15 -> 15kW
Maximum output current: 600 -> 600A
Maximum output voltage: 1200 -> 1200V

STANDARD ACCESSORIES

PEL-5000C Series operation manual
BANANA PLUGS : Please refer to Fig.1 x 1
BNC – BNC CABLE : BNC to BNC CABLE, 1m x 1
HD-DSUB : 15PIN Parallel wire Parallel Wire x 1



OPTIONAL ACCESSORIES

| | | | |
|---------------------|---|--|--|
| PEL-022 GPIB Card | PEL-026 Hook Ring x 4 | PEL-027-1 Rack Mount Kit For PEL-5006C | GTL-246 USB Cable, USB 2.0, A-B Type, 1200mm |
| PEL-023 RS-232 Card | PEL-028 HANDLES, U-shaped Handle (fixed to the bracket) | PEL-027-2 Rack Mount Kit For PEL-5008C, PEL-5010C, PEL-5012C | GTL-248 GPIB Cable, Double Shielded, 2000mm |
| PEL-024 LAN Card | PEL-030 GPIB+RS-232 Card | PEL-027-3 Rack Mount Kit For PEL-5015C, PEL-5018C | GTL-250 GPIB Cable, Double Shielded, 600mm |
| PEL-025 USB Card | | PEL-027-4 Rack Mount Kit For PEL-5020C, PEL-5024C | |

Note: * Regarding the product delivery date, please contact your regional sales representative.

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