

High Power DC Power Supply PCL series

Introduction

PCL 시리즈는 고출력 스위칭 DC 전원 공급 장치, 정격 전력 1200W 및 2400W의 PCL 입니다. PCL 시리즈는 ZVZCS PWM 기술을 채택하여 스위칭 소비를 크게 줄여 높은 효율과 높은 안정성으로 스위칭 기능을 용이하게 합니다.

PCL 시리즈는 2U 19 인치 표준 새시에 내장되어 있습니다. 최대 정격 전압은 6V ~ 600V이고, 최대 정격 전류는 2A ~ 200A 입니다. RS232, RS485 및 RS422 통신 인터페이스는 표준 부품으로 만들어지며 디지털 제어를 위한 다양한 통신 옵션을 제공합니다.

Features

- ✓ 정격 전력 1200W 및 2400W
- ✓ 최대 정격 전압 6V ~ 600V, 최대 정격 전류 2A ~ 200A
- ✓ 정전압 및 정전류 작동, 자동 CV / CC 스위치
- ✓ 2U 19 인치 표준 새시에 내장
- ✓ 전압 및 전류를 위한 4 ½ 디스플레이
- ✓ 자동 온도 조절 팬, 저소음
- ✓ ZVZCS PWM 기술, 고효율 및 높은 안정성 채택
- ✓ 낮은 파장, 높은 안정성
- ✓ 전면 패널 작동: 미리 설정된 전압 및 전류, 출력 ON / OFF
- ✓ 다중 보호: OVP, OCP, OTP, OLP 와 UVP
- ✓ 다중 프로그래밍 인터페이스: RS232, RS485 and RS422
- ✓ ModBus 지원 -RTU 명령

Product photo



For max.current <100A



For max.current ≥100A

Specifications 1200W (1)

Model		PCL1200-6	PCL1200-12	PCL1200-15	PCL1200-30	PCL1200-60	PCL1200-1H
Output							
Rated output	Voltage	0~6V	0~12V	0~15V	0~30V	0~60V	0~100V
	Current	0~200A	0~100A	0~80A	0~40A	0~20A	0~12A
	OVP	0~6.3V	0~12.6V	0~15.75V	0~31.5V	0~63V	0~105V
Load regulation		CV≤0.2%+2LSB, CC≤0.2%+2LSB		CV≤0.1%+2LSB, CC≤0.1%+2LSB			
Line regulation		CV≤0.1%+2LSB, CC≤0.1%+2LSB					
Ripple & Noise		≤50mV	≤50mV	≤50mV	≤50mV	≤50mV	≤100mV
Programming resolution	OVP	0.001V	0.01V	0.01V	0.01V	0.01V	0.1V
	Voltage	0.001V	0.01V	0.01V	0.01V	0.01V	0.1V
	Current	0.1A	0.1A	0.01A	0.01A	0.01A	0.01A
Display resolution	Voltage	0.001V	0.01V	0.01V	0.01V	0.01V	0.1V
	Current	0.1A	0.1A	0.01A	0.01A	0.01A	0.01A
Display accuracy		Voltage≤0.2%+2LSB, Current ≤0.5%+2LSB					
Programming							
Interface		RS232, RS485 and RS422					
Commands		ModBus-RTU					
Protection							
Over Voltage Protection (O.V.P.)		Built-in OVP protection with limit of 105% rated output voltage.					
		The output will be shut down when OVP is activated.					
Over Current Protection (O.C.P.)		Over load, short circuit and output current limit					
Over Temperature Protection (O.T.P.)		Built-in OTP protection with heat sink temperature limit of 50°C±5%.					
		The output will be shut down when OTP is activated.					
Under Voltage Protection (U.V.P.)		Built-in UVP protection with limit of 165Vac.					
		The output will be shut down the UVP is activated.					
General							
Cooling method		Cooling fan					
Operating environment		0°C~40°C, 10%~80%RH					
Storage environment		-20°C~70°C, 10%~90%RH					
Power source		AC220V±10%, 47~63Hz					
Weight		11~14kg					
Dimensions		482Wx88Hx460D mm					

Specifications 1200W (2)

Model	PCL1200-150	PCL1200-2H	PCL1200-3H	PCL1200-400	PCL1200-5H	PCL1200-6H	
Output							
Rated output	Voltage	0~150V	0~200V	0~300V	0~400V	0~500V	0~600V
	Current	0~8A	0~6A	0~4A	0~3A	0~2.4A	0~2A
	OVP	0~157.5V	0~210V	0~315V	0~420V	0~525V	0~630V
Load regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Line regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Ripple & Noise	≤100mV	≤100mV	≤100mV	≤100mV	≤200mV	≤200mV	
Programming resolution	OVP	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Voltage	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Current	0.001A	0.001A	0.001A	0.001A	0.001A	0.001A
Display resolution	Voltage	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Current	0.001A	0.001A	0.001A	0.001A	0.001A	0.001A
Display accuracy	Voltage≤0.2%+2LSB, Current ≤0.5%+2LSB						
Programming							
Interface	RS232, RS485 and RS422						
Commands	ModBus-RTU						
Protection							
Over Voltage Protection (O.V.P.)	Built-in OVP protection with limit of 105% rated output voltage.						
	The output will be shut down when OVP is activated.						
Over Current Protection (O.C.P.)	Over load, short circuit and output current limit						
Over Temperature Protection (O.T.P.)	Built-in OTP protection with heat sink temperature limit of 50°C±5%.						
	The output will be shut down when OTP is activated.						
Under Voltage Protection (U.V.P.)	Built-in UVP protection with limit of 165Vac.						
	The output will be shut down the UVP is activated.						
General							
Cooling method	Cooling fan						
Operating environment	0°C~40°C, 10%~80%RH						
Storage environment	-20°C~70°C, 10%~90%RH						
Power source	AC220V±10%, 47~63Hz						
Weight	11~14kg						
Dimensions	482Wx88Hx460D mm						

Specifications 2400W (1)

Model		PCL2400-12	PCL2400-20	PCL2400-30	PCL2400-40	PCL2400-60	PCL2400-1H
Output							
Rated output	Voltage	0~12V	0~20V	0~30V	0~40V	0~60V	0~100V
	Current	0~200A	0~120A	0~80A	0~60A	0~40A	0~24A
	OVP	0~12.6V	0~21V	0~31.5V	0~42V	0~63V	0~105V
Load regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Line regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Ripple & Noise	≤100mV		≤100mV	≤100mV	≤100mV	≤100mV	≤100mV
Programming resolution	OVP	0.01V	0.01V	0.01V	0.01V	0.01V	0.1V
	Voltage	0.01V	0.01V	0.01V	0.01V	0.01V	0.1V
	Current	0.1A	0.1A	0.01A	0.01A	0.01A	0.01A
Display resolution	Voltage	0.01V	0.01V	0.01V	0.01V	0.01V	0.1V
	Current	0.1A	0.1A	0.01A	0.01A	0.01A	0.01A
Display accuracy	Voltage≤0.2%+2LSB, Current ≤0.5%+2LSB						
Programming							
Interface	RS232, RS485 and RS422						
Commands	ModBus-RTU						
Protection							
Over Voltage Protection (O.V.P.)	Built-in OVP protection with limit of 105% rated output voltage.						
	The output will be shut down when OVP is activated.						
Over Current Protection (O.C.P.)	Over load, short circuit and output current limit						
Over Temperature Protection (O.T.P.)	Built-in OTP protection with heat sink temperature limit of 50°C±5%.						
	The output will be shut down when OTP is activated.						
Under Voltage Protection (U.V.P.)	Built-in UVP protection with limit of 165Vac.						
	The output will be shut down the UVP is activated.						
General							
Cooling method	Cooling fan						
Operating environment	0°C~40°C, 10%~80%RH						
Storage environment	-20°C~70°C, 10%~90%RH						
Power source	AC220V±10%, 47~63Hz						
Weight	11~14kg						
Dimensions	482Wx88Hx460D mm						

Specifications 2400W (2)

Model	PCL2400-150	PCL2400-2H	PCL2400-3H	PCL2400-400	PCL2400-50H	PCL2400-6H	
Output							
Rated output	Voltage	0~150V	0~200V	0~300V	0~400V	0~500V	0~600V
	Current	0~16A	0~12A	0~8A	0~6A	0~4.8A	0~4A
	OVP	0~157.5V	0~210V	0~315V	0~420V	0~525V	0~630V
Load regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Line regulation	CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Ripple & Noise	≤100mV	≤100mV	≤200mV	≤200mV	≤200mV	≤200mV	
Programming resolution	OVP	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Voltage	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Current	0.01A	0.01A	0.001A	0.001A	0.001A	0.001A
Display resolution	Voltage	0.1V	0.1V	0.1V	0.1V	0.1V	0.1V
	Current	0.01A	0.01A	0.001A	0.001A	0.001A	0.001A
Display accuracy	Voltage≤0.2%+2LSB, Current ≤0.5%+2LSB						
Programming							
Interface	RS232, RS485 and RS422						
Commands	ModBus-RTU						
Protection							
Over Voltage Protection (O.V.P.)	Built-in OVP protection with limit of 105% rated output voltage.						
	The output will be shut down when OVP is activated.						
Over Current Protection (O.C.P.)	Over load, short circuit and output current limit						
Over Temperature Protection (O.T.P.)	Built-in OTP protection with heat sink temperature limit of 50°C±5%.						
	The output will be shut down when OTP is activated.						
Under Voltage Protection (U.V.P.)	Built-in UVP protection with limit of 165Vac.						
	The output will be shut down the UVP is activated.						
General							
Cooling method	Cooling fan						
Operating environment	0°C~40°C, 10%~80%RH						
Storage environment	-20°C~70°C, 10%~90%RH						
Power source	AC220V±10%, 47~63Hz						
Weight	11~14kg						
Dimensions	482Wx88Hx460D mm						

사양은 사전 공지 없이 변동될 수 있습니다.