

High Power DC Power Supply PCH series

Introduction

PCH시리즈는 고출력 스위칭 DC 전원 공급 장치, 정격 전력 600W 및 1200W의 PCH 입니다. PCH시리즈는 ZVZCS PWM 기술을 채택하여 스위칭 소비량을 크게 줄여 높은 효율과 안정성으로 스위칭 기능을 용이하게 합니다.

PCH시리즈는 2U19인치 표준 새시에 내장되어 있습니다. 최대 정격 전압은 +1000V~+12KV 이고, 네거티브 옵션으로 -1000V~-12KV의 출력이 있습니다. RS232, RS485 및 RS422 통신 인터페이스는 PCH시리즈의 표준 부품으로 제작되어 디지털 제어를 위한 여러 통신 선택 항목을 제공합니다.

Features

- ✓ 정격 전력 600W 및 1200W
- ✓ 최대 정격 전압 1000V ~ 12KV
- ✓ -1000V~-12KV 사이의 네거티브 출력
- ✓ 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



Model		PCH600-10HN	PCH600-12HN	PCH600-15HN	PCH600-20HN	PCH600-30HN	PCH600-40HN	PCH600-50HN
Output								
Rated output	Voltage	-100~-1000V	-120~-1200V	-150~-1500V	-200~-2000V	-300~-3000V	-400~-4000V	-500~-5000V
	Current	0~600mA	0~500mA	0~400mA	0~300mA	0~200mA	0~150mA	0~120mA
	OVP	0~-1050V	-100~-1260V	-100~-1575V	-200~-2100V	-300~-3150V	-400~-4200V	-500~-5250V
Load regulation		CV≤0.5%+2LSB, CC≤0.5%+2LSB						
Line regulation		CV≤0.1%+2LSB, CC≤0.1%+2LSB						
Ripple & Noise		≤0.05% FS	≤0.05% FS	≤0.05% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS
Programming resolution	Voltage	1V	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
	OVP	1V	1V	1V	1V	1V	1V	1V
Display resolution	Voltage	1V	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
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						

Model		PCH600-60HN	PCH600-80HN	PCH600-100HN	PCH600-120HN	PCH1200-10HN	PCH1200-12HN
Output							
Rated output	Voltage	-600~-6000V	-800~-8000V	-800~-10000V	-1200~-12000V	-100~-1000V	-120~-1200V
	Current	0~100mA	0~75mA	0~60mA	0~50mA	0~1.2A	0~1A
	OVP	-500~-6120V	-800~-8400V	-1000~-10500V	-1200~-12600V	-100~-1050V	-120~-1260V
Load regulation		CV≤0.5%+2LSB, CC≤0.5%+2LSB					
Line regulation		CV≤0.1%+2LSB, CC≤0.1%+2LSB					
Ripple & Noise		≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS
Programming resolution	Voltage	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.01mA	0.01mA	0.01mA	1mA	1mA
	OVP	1V	1V	1V	1V	1V	1V
Display resolution	Voltage	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.01mA	0.01mA	0.01mA	1mA	1mA
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					

Model		PCH1200-15HN	PCH1200-20HN	PCH1200-30HN	PCH1200-40HN	PCH1200-50HN	PCH1200-60HN
Output							
Rated output	Voltage	-150~-1500V	-200~-2000V	-300~-3000V	-400~-4000V	-500~-5000V	-600~-6000V
	Current	0~800mA	0~600mA	0~400mA	0~300mA	0~240mA	0~200mA
	OVP	-100~-1575V	-200~-2100V	-300~-3150V	-400~-4200V	-500~-5250V	-600~-6120V
Load regulation		CV≤0.5%+2LSB, CC≤0.5%+2LSB					
Line regulation		CV≤0.1%+2LSB, CC≤0.1%+2LSB					
Ripple & Noise		≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS	≤0.1% FS
Programming resolution	Voltage	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
	OVP	1V	1V	1V	1V	1V	1V
Display resolution	Voltage	1V	1V	1V	1V	1V	1V
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
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.