

# PCC95 (储能变流器)控制器

## PCS CONTROLLER



### ● 简介

用于 PCS 和发电机组或市电组成的电站系统，控制 PCS 模式切换、自动开 / 停机、输入 / 输出、母排等功率，数据监控和测量、报警保护。CAN 接口或者 ETHERNET 接口可快速命令 PCS 改变输入 / 输出功率，提高系统突发突卸负载时的性能，满足长期运行对电池充放电的功率控制。

### ● 特点

- PCS过压、欠压、过频、欠频、过流、充电过功率、放电过功率等检测
- PCS工作在PQ模式或VSG模式时，具有三种功率控制方法(恒定功率、需求功率、机组功率)
- 需求功率控制方法：固定功率(b)、功率曲线(SOC-b)
- 五路可编程模拟量传感器
- 多种通讯接口：RS485、CANBUS、以太网、USB
- 可配合HGM9510/HGM9510N构成柴储控制系统
- 控制保护：实现PCS自动开机、停机、开关合分闸及完善的两级故障显示保护
- 实时时钟，历史记录(999)，黑匣子
- PLC逻辑编程

### Overview

It is designed for power system formed by genset or mains supply. It can control the PCS mode transfer, auto start/stop, input/output/bus power, data monitoring and measurement, and alarm protection. And it can quickly command PCS to change output or input power via CAN or ETHERNET port, which improves the system performance during sudden loading or unloading, and also meet the power control of battery charging/discharging for long-term running.

### Features

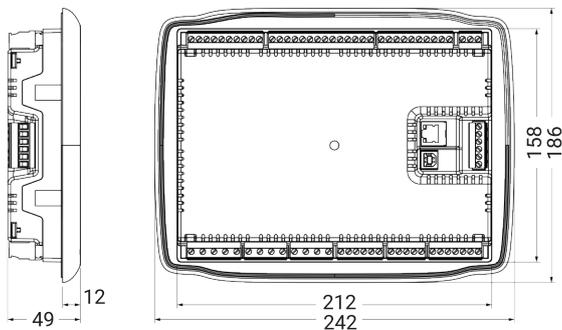
- PCS detection functions for over/under voltage, over/under frequency, overcurrent, charging/discharging over power, etc.
- PCS has three power control methods: constant power, demand power and genset power when it works in PQ or VSG mode
- Demand power control method: fixed power (b) or power curve (SOC-b)
- 5-way flexible analog sensors
- Several communication interfaces: RS485, CANBUS, Ethernet and USB
- It can be integrated with the HGM9510/HGM9510N controller to form a Diesel Genset-ESS control system
- Control and protection function: PCS automatic start/stop, ATS open/close and perfect 2-class fault indication and protection
- Functions of real-time clock, event log (999), and black box
- PLC logic programming



<p><b>电源</b> Power</p>	<p>工作电压: DC(8~35)V 整机功耗: &lt;7W(待机方式: ≤2.5W)</p>	<p>Operating Voltage: DC(8~35)V Power Consumption: &lt;7W(Standby mode: ≤2.5W)</p>
<p><b>交流电压</b> AC Voltage</p>	<p>相电压范围: AC(15~360)V (ph-N) 相电压分辨率: 0.1V 相电压精度: 0.5% 线电压范围: AC(30~620)V (ph-ph) 线电压分辨率: 0.1V 线电压精度: 0.5%</p>	<p>Phase Voltage Range: AC(15~360)V (ph-N) Phase Voltage Resolution: 0.1V Phase Voltage Accuracy: 0.5% Line Voltage Range: AC(30~620)V (ph-ph) Line Voltage Resolution: 0.1V Line Voltage Accuracy: 0.5%</p>
<p><b>交流电流</b> AC Current</p>	<p>额定: 5A 范围: (0~10)A 分辨率: 0.1A 精度: 0.5%</p>	<p>Rated: 5A Range: (0~10)A Resolution: 0.1A Accuracy: 0.5%</p>
<p><b>环境</b> Environment</p>	<p>工作温度: (-25~+70)°C 工作湿度: (20~93)%RH 贮存温度: (-30~+80)°C</p>	<p>Working Temperature: (-25~+70)°C Working Humidity: (20~93)%RH Storage Temperature: (-30~+80)°C</p>
<p><b>结构和重量</b> Structure &amp; Weight</p>	<p>外形尺寸: 242 × 186 × 49mm 安装尺寸: 214 × 160mm 重量: 1.1kg</p>	<p>Overall Dimensions: 242 × 186 × 49mm Installation Dimensions: 214 × 160mm Weight: 1.1kg</p>
<p><b>标准和认证</b> Standards &amp; Certificates</p>	<p>振动: (5~8)Hz: ±7.5mm (8~500)Hz: 2g IEC 60068-2-6 碰撞: 25g<sub>n</sub>, 16ms, 半正弦 IEC 60255-21-2 冲击: 50g<sub>n</sub>, 11ms, 半正弦 IEC 60068-2-27</p>	<p>Vibration: (5~8)Hz: ±7.5mm (8~500)Hz: 2g (IEC 60068-2-6) Bump: 25g<sub>n</sub>, 16ms, half-sine (IEC 60255-21-2) Shock: 50g<sub>n</sub>, 11ms, half-sine (IEC 60068-2-27)</p>

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

直流电源/急停 DC Power/E-Stop	输出口(10) Output (10)	输入口(10) Input (10)	CAN BUS (2)	RS485(2)
				ETHERNET
				USB
母排电压采样 Bus Volt. Sampling	PCS电压采样 PCS Volt. Sampling	PCS/接地/母排电流采样 PCS/Earth/Bus Current Sampling	模拟量传感器(5) Analog Sensor (5)	