

SmartGen 众智

MAKING CONTROL SMARTER
股票代码 Stock Code 301361

CONSTRUCTION MACHINERY PRODUCT CATALOGUE

工程机械产品选型样册

SMARTGEN(ZHENGZHOU) TECHNOLOGY CO., LTD.

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MAKING CONTROL SMARTER | 2026

SMARTGEN(ZHENGZHOU) TECHNOLOGY CO., LTD.

ABOUT US 关于我们

始建于
ESTABLISHED IN 1998

1998

公司总部
HEADQUARTERS: ZHENGZHOU, CHINA

中国·郑州

产品类别
PRODUCT CATEGORIES

1000+

客户
CUSTOMERS

3000+

众智科技始建于1998年，创业板（股票代码301361）上市企业。

主要从事发动机、发电机和发电机组控制系统、新能源微网控制系统、智能电网控制系统等相关产品的研发、生产、销售和服务。产品广泛应用于矿山石油开采、智算中心、船舶、海岛、智能大厦、零碳园区、电信、基建、工商储等领域，业务范围遍布全球，在50多个国家和地区设有办事机构。

拥有数百项专利，有超过30%的员工致力于研发工作，坚持“让控制更智能”的核心理念，以推动行业技术进步为使命，不断创新与自我超越，为打造优质、安全、绿色、低碳可持续发展的产业生态链而不懈努力！

Established in 1998, SmartGen is a listed public company (stock code: 301361). The company specializes in the research and development, manufacturing, sales, and service of control systems for engines, generators and generator sets, new energy microgrid and smart grid. SmartGen's products are widely used across a broad range of industries including mining and oil extraction, AI data centers, ships, offshore islands, smart buildings, zero-carbon industrial parks, telecommunications, infrastructure, and commercial & industrial energy storage. With a global presence, we have set offices in more than 50 countries and regions. Holding hundreds of patents and with over 30% of its workforce engaged in R&D, SmartGen remains committed to its core philosophy of "Making Control Smarter". Driven by a mission to lead technological progress in the industry, SmartGen continually innovates and evolves, striving to build a high-quality, safe, green, low-carbon, and sustainable industrial ecosystem.



郑州雪梅街工厂 Zhengzhou Xuemei Street Factory



郑州金梭路工厂

QUALIFICATIONS 资质



产品认证 Product Certification

CCC认证、CE认证、UL认证；CCS（中国船级社）认证、BV（法国船级社）认证、ABS（美国船级社）认证、NK（日本船级社）认证等
CCC certification, CE certification, UL certification; CCS certification, BV certification, ABS certification, NK certification, etc.



管理体系 Management System

质量管理体系ISO9001、CCSR9001,环境管理体系ISO14001,职业健康管理体系ISO45001,知识产权管理体系GB/T29490,两化融合管理体系GB/T23001,双重预防管理体系等

The company has successively passed ISO9001 Quality Management System, CCSR9001 Professional Quality Management System Requirements for Marine Product Manufacturer, ISO14001 Environmental Management System, ISO45001 Occupational Health and Safety Management System, GB/T 29490 Intellectual Property Compliance Management System, GB/T23001 Integration of Informatization and Industrialization Management System, Dual Prevention Management System, etc.



Zhengzhou Jinsuo Road Factory



土耳其伊斯坦布尔工厂 Türkiye Istanbul Factory

BUSINESS SECTORS

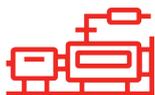
业务板块



新能源 New Energy

BMS、EMS、PCS、储能柜, AC/DC, DC/DC, 保护板

BMS, EMS, PCS, Energy Storage Cabinets, AC/DC, DC/DC, Protection Boards



发电机组控制 Genset Control

单机自启动, AMF, 多机并联, 并网, 灯塔控制, 燃油/电加热器, 充电器

Standalone Self-starting, AMF, Multi-unit Parallel, Grid connection, Lighting Tower Control, Fuel/Electric Heater, Chargers



交流发电机控制 Alternator Control

数字电压调节, 模拟电压调节

DVR, AVR



工程机械控制 Engineering Machinery Control

消防泵控制, 空压机控制, 发动机控制, CAN监控仪, 手油门, 遥控器

Fire Pump Control, Air Compressor Control, Engine Control, CAN Monitor, Manual Throttle Control, Remote Controller





智能电网控制 Smart Grid Control

双/多路电源切换、旁路切换，两进线一母联，三进线两母联，ATS

Dual/Multi-power Supply Switching, Bypass Switching, Two-income One Bus, Three-income Two Bus, ATS



船舶控制 Marine Control

EMS, PMS, 机旁, 电子电位器, 传感器

EMS, PMS, Local Control, Electronic Potentiometer, Sensors



云监控 Cloud Monitoring

公有云, 私有云, 云猫, SCADA, HMI

Public Cloud, Private Cloud, Cloud Monitoring Modem, SCADA, HMI



模块 Modules

继保, 安保, 同步, 负载均分, USB, CANBUS, RS485, Ethernet, DI/DO/AI/AO, 光纤, 蓝牙, Wifi

Protection Relay, Redundant Protection, Synchronization, Load Sharing, USB, CANBUS, RS485, Ethernet, DI/DO/AI/AO, Fiber Optic, Bluetooth, Wi-Fi





HEM8500
Engine CAN Monitoring Controller
发动机CAN监控仪



HEM4300
Engine Controller
工程机械控制器



HEM4100/HEM4000
Engine Controller
发动机控制器



| Model/型号 | HEM8500 | HEM4300 | HEM4100 | HEM4000 |
|-----------------------------------|--|---|--|---------|
| Main Functions 主要功能 | Add one 4-20mA analog output, two 4-20mA analog inputs and emergency stop button based on HEM8400. 在HEM8400基础上增加一路4-20mA模拟量输出、两路4-20mA模拟量输入、急停按钮。 | It is applicable for the automation system of various construction machinery as drilling car, tunnel tractor, hydraulic pump station, mining machinery and so on. It can control ECU engine start/stop, monitoring, speed control, maintenance reminder and others. It has a high protection level. 可用于钻车、隧道牵引车、液压泵站、矿山机械等各类工程机械的自动化系统；具有控制电喷发动机的起停、监测、调速，保养提醒等功能；防护等级高。 | With the automatic start/stop, data measurement, speed regulation, alarm protection and "Three Remotes" functions of engine. HEM4100 can control a variety of ECU and non-ECU engines, HEM4000 can control all kinds of non-ECU engines. 具有发动机的自动开机停机、数据测量、调速、报警保护及“三遥”功能。HEM4100可控制各种电喷或非电喷发动机，HEM4000可控制各种非电喷发动机。 | |
| Display/显示器 | 4.3-inch LCD/4.3英寸LCD | 4.3-inch Color LCD/4.3英寸彩屏 | LCD(132*64) | |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | | | |
| Language 控制器语言 | Chinese & English/中文 & 英文 | Chinese&English&Others 中文&英文&其它 | Chinese & English/中文 & 英文 | |
| Digital Input 开关量输入 | 11 | 8 | 6 | |
| Relay Output 继电器输出 | 7 | 8-way transistor active output 8路晶体管有源输出 | 7 | |
| Analog Input 模拟量输入 | 5 | 6 | | |
| Analog Output Port 模拟量输出 | 1 | | | |
| Speed Adjustment Function 调速功能 | | ● | | |
| RTC & Event Log 实时时钟及历史记录 | | ● | | |
| Scheduled Start/Stop 定时开关机 | | | | ● |
| Maintenance 保养功能 | | ● | | |
| Monitor Port 监控接口 | | RS485 | | |
| Programming Port 编程接口 | RS485 | RS485/USB | | |
| CANBUS(J1939) | | ● | | |
| DC Supply 直流工作电源范围 | DC(10~35)V | DC(8-35)V | | |
| Case Dimensions 外形尺寸(mm) | 247*191*72(L*W*H) | 189*131*61(L*W*H) | 135*110*44(L*W*H) | |
| Panel Cutout 安装尺寸(mm) | 214*160 | 177*119 | 116*90 | |
| Operating Temp. 工作温度 | (-25~+70)°C | (-40~+70)°C | (-25~+70)°C | |
| IP防护等级/IP | IP65 | | | |



ACC7200
Diesel Air Compressor Controller
柴驱空压机控制器



ACC7100A
Diesel Air Compressor Controller
柴驱空压机控制器



ACC5100
Diesel Air Compressor Controller
柴驱空压机控制器



| Model/型号 | ACC7200 | ACC7100A | ACC5100 |
|-----------------------------------|---|---|--|
| Main Functions 主要功能 | <p>It is suitable for ECU engine driven air compressor units, which has engine start/stop, speed control, data monitoring, maintenance setting and reminder, DPF regeneration functions. Protection class can reach IP65, and it can work in low temperature environments.</p> <p>适用于电喷发动机驱动的空压机组，具有发动机起停、调速、数据监测、维护保养设定及提醒、DPF再生等功能，防护等级达到IP65，可工作于低温环境。</p> | <p>It is suitable for diesel engine driven air compressor, which has CANBUS (J1939) port that can control various ECU or non-ECU diesel-driven air compressors to realize start/stop, data measurement, maintenance, alarm protection, and "three remote" (remote control, remote measurement, remote communication) functions.</p> <p>适用于柴油发动机驱动的空压机，带有CANBUS(SAE J1939)接口，可控制多种电喷或非电喷柴驱空压机实现空压机的开机停机、数据测量、维护保养、报警保护及“三遥”功能。</p> | <p>The controller is suitable for diesel engine driven air compressor, which can realize start/stop, data measurement, maintenance, alarm protection, and "Three Remote" functions. The controller features speed regulation function. With the CANBUS (SAE J1939) interface, it can control various ECU or non-ECU diesel engine driven air compressor.</p> <p>用于柴油发动机驱动的空压机，实现空压机的开机停机、数据测量、维护保养、报警保护及“三遥”功能。控制器具有调速功能，带有CANBUS(SAE J1939)接口，可控制多种电喷或非电喷柴驱空压机。</p> |
| Display/显示器 | 4.3-inch Color LCD/4.3英寸彩屏 | LCD(132*64) | LCD(320*240) |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | | |
| Language 控制模块语言 | Chinese & English & Others/中文 & 英文 & 其他 | | Chinese & English & Russian/中文 & 英文 & 俄文 |
| Digital Input 开关量输入 | 10 | 6 | 5 |
| Relay Output 继电器输出 | 10 | 9 | 6 |
| Analog Input 模拟量输入 | 8 | | 6 |
| Speed Adjustment Function 调速功能 | ● | | |
| RTC & Event Log 实时时钟及历史记录 | ● | | |
| Maintenance 保养功能 | ● | | |
| Monitor Port 监控接口 | RS485 | | |
| Programming Port 编程接口 | RS485/USB | | |
| CANBUS(J1939) | ● | | |
| DC5V Output DC5V输出 | ● | | |
| DPF Regenerate DPF再生 | ● | | |
| DC Supply 直流工作电源范围 | DC(8~35)V | | |
| Case Dimensions 外形尺寸(mm) | 209*166*49(L*W*H) | 209*166*46(L*W*H) | 180*236*74 (L*W*H) |
| Panel Cutout 安装尺寸(mm) | 186*141 | | 151*201, 4×φ4.5mm |
| Operating Temp. 工作温度 | (-30~+70)°C | (-40~+70)°C | |
| IP防护等级/IP | Front panel: IP65, Back panel: IP60 前壳: IP65 后壳: IP60 | | |

DIESEL AIR COMPRESSOR CONTROLLER / 柴驱空压机组控制器



ACC4100
Diesel Air Compressor Controller
柴驱空压机控制器



ACC1700/CAN
Diesel Air Compressor Controller
柴驱空压机控制器



| Model/型号 | ACC4100 | ACC1700 | ACC1700CAN |
|-----------------------------------|---|---|--|
| Main Functions 主要功能 | <p>It is used for diesel engine driven air compressor to realize start/stop, data measurement, maintenance, alarm protection and "three remote" (remote control, remote measurement, remote communication) functions. The controller has speed control function with CANBUS (J1939) port to control various ECU or non-ECU diesel-driven air compressors.</p> <p>用于柴油发动机驱动的空压机，实现空压机的开机停机、数据测量、维护保养、报警保护及“三遥”功能。控制器具有调速功能，带有CANBUS(SAE J1939)接口，可控制多种电喷或非电喷柴驱空压机。</p> | | <p>The controller can realize start/stop, data measurement, maintenance, alarm protection, and "Three Remote" functions for air compressor. With function of Bluetooth communication, the controller can carry out wireless control and data monitoring within 10~30 meters near the air compressor through mobile phone APP. It is widely used in the control system of diesel engine driven air compressor.</p> <p>实现空压机的开机停机、数据测量、维护保养、报警保护及三遥功能；具有蓝牙通信功能，可通过手机APP实现空压机10~30米的无线控制和数据监测，广泛应用于柴驱空压机控制系统。</p> |
| Display/显示器 | LCD(132*64) | | |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | | |
| Language 控制模块语言 | Chinese & English/中文 & 英文 | | |
| Digital Input 开关量输入 | 5 | | 3 |
| Relay Output 继电器输出 | 7 | | 5 |
| Analog Input 模拟量输入 | 6 | | 5 |
| Speed Adjustment Function 调速功能 | ● | | ● |
| RTC & Event Log 实时时钟及历史记录 | ● | Event log is available and real-time clock is not available 有历史记录无实时时钟 | |
| Maintenance 保养功能 | ● | | |
| Monitor Port 监控接口 | RS485 | | |
| Programming Port 编程接口 | RS485/USB | Bluetooth/蓝牙/RS485 | |
| CANBUS(J1939) | ● | | ● |
| DC5V Output DC5V输出 | ● | | |
| DPF Regenerate DPF再生 | ● | | |
| DC Supply 直流工作电源范围 | DC(8~35)V | | |
| Case Dimensions 外形尺寸(mm) | 135*110*44(L*W*H) | 96*86*47(L*W*H) | |
| Panel Cutout 安装尺寸(mm) | 116*90 | 78*66 | |
| Operating Temp. 工作温度 | (-25~+70)°C | | |
| IP Protection Level/IP | IP65 | | |



APC715N
Diesel Pump Controller
柴驱泵组控制器



APC615
Pump Unit Controller
水泵机组控制器



| Model/型号 | APC715N | APC615 |
|-------------------------------|---|---|
| Main Functions 主要功能 | <p>Applicable for high-pressure water pump unit, mud pump unit and drainage pump unit driven by ECU, with double speed, double battery sampling, starting power switch and manual/auto speed regulation functions.</p> <p>适用于电喷发动机驱动的高压水泵机组、泥浆泵组、排涝泵组等，具有双转速、双电池采样，启动电源切换、手自动调速等功能。</p> | <p>Suitable for diesel engine driven pump unit, the speed regulation can be achieved by relay output and CANBUS.</p> <p>适用于柴油发动机驱动的水泵机组，可通过继电器输出、CAN总线实现调速功能。</p> |
| Display/显示器 | 4.3-inch LCD (240*128)4.3英寸液晶显示器 | LCD(132*64) |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | |
| Language 控制器语言 | Chinese & English & Others/中文 & 英文 & 其他 | |
| Digital Input 开关量输入 | 9 | 6 |
| Relay Output 继电器输出 | 12 | 8 |
| Analog Input 模拟量输入 | 10 | 6 |
| RTC & Event Log 实时时钟及历史记录 | ● | |
| Scheduled Start/Stop 定时开关机 | ● | |
| Monitor Port 监控接口 | RS485/ETHERNET | RS485 |
| Programming Port 编程接口 | USB/RS485/ETHERNET | LINK/RS485 |
| CANBUS | ● | |
| DC Supply 直流工作电源范围 | DC(8 ~ 35)V | |
| Case Dimensions 外形尺寸(mm) | 242*186*49(L*W*H) | 197*152*47(L*W*H) |
| Panel Cutout 安装尺寸(mm) | 214*160 | 186*141 |
| Operating Temp. 工作温度 | (-25~+70)°C | |
| IP Protection Level/IP | IP65 | |



FPC2000M/D
Diesel Air Fire Pump Controller
柴驱消防泵控制器



FPC1000M/D/T
Electric Fire Pump Controller
电动消防泵控制器



| Model/型号 | FPC2000M | FPC2000D | FPC1000M | FPC1000D | FPC1000T |
|------------------------------|---|--|---|--|---|
| Main Functions 主要功能 | <p>The controller is used for fire pump unit, which can monitor real-time data, including system pressure, battery voltage and current. And the data can be exported via USB Host interface to analyze and diagnose the system status.</p> <p>用于消防水泵机组，实时监测系统压力、电池电压、电流等数据，并可通过USB主机接口导出，用于分析和诊断系统状况。</p> | | <p>The controller is used to start or control the fire pumps driven by motors. It realizes precise measurement, fixed value adjustment, timing, and threshold setting functions for multiple parameters. And it is widely applied to various types of electric fire pump system.</p> <p>用于启动或控制消防电动机驱动的消防泵，实现了多种参数的精密测量、定值调节以及定时、阈值整定等功能，广泛应用于各类型电动消防泵系统。</p> | | |
| Display/显示器 | | 7-inch Color LCD/7英寸彩屏 | | 7-inch Color LCD/7英寸彩屏 | |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | | | | |
| Language 控制器语言 | Chinese & English/中文 & 英文 | | | | |
| Digital Input 开关量输入 | 15 | 2 | 9 | 2 | 8 |
| Relay Output 继电器输出 | 8 | 3 | 13 | 3 | 7 |
| Analog Input 模拟量输入 | 5 | 2 | 4 | 2 | |
| RTC & Event Log 实时时钟及历史记录 | | ● | | ● | |
| Scheduled Start 定时开机 | | ● | | | |
| Monitor Port 监控接口 | RS485 | | | RS485 | |
| Programming Port 编程接口 | RS485 | RS485/USB DEVICE ETHERNET/USB HOST | | RS485/USB DEVICE ETHERNET/USB HOST | |
| CANBUS | ● | | | | |
| DC Supply 直流工作电源范围 | DC(8~35)V | | | | AC(24~36)V/DC(24~36)V |
| Case Dimensions 外形尺寸(mm) | 400*125.6*73.7(L*W*H) | 209*189*59(L*W*H) | 327*126*74(L*W*H) | 209*189*59(L*W*H) | 327*126*64(L*W*H) |
| Panel Cutout 安装尺寸(mm) | 35mm steel DIN rail 35mm钢制导轨 | 188.5*165.5 | 35mm steel DIN rail 35mm钢制导轨 | 188.5*165.5 | 35mm steel DIN rail 35mm钢制导轨 |
| Operating Temp. 工作温度 | (-25~+55)°C (模组架不支持高温) (The module mounting part can't withstand high temperature) | (-25~+70)°C | (-25~+55)°C (模组架不支持高温) (The module mounting part can't withstand high temperature) | (-25~+70)°C | (-25~+55)°C (模组架不支持高温) (The module mounting part can't withstand high temperature) |
| IP Protection Level/IP | | Front panel: IP65, Back panel: IP20 前壳: IP65 后壳: IP20 | | Front panel: IP65, Back panel: IP20 前壳: IP65 后壳: IP20 | |



FPC1700
Jockey Pump Controller
消防稳压泵控制器



FPC915
Fire Pump Controller
消防水泵机组控制器



FPC615
Fire Pump Controller
消防水泵机组控制器



| Model/型号 | FPC1700 | FPC915 | FPC615 |
|-------------------------------|---|--|---|
| Main Functions 主要功能 | <p>The controller can control the pump to start/stop according to the pipe pressure, and stabilize the pipe pressure in the setting range. And it can realize grid voltage detection and protection, and automatic control of jockey pump. It is suitable for the control of single pump or cyclic control of dual pumps.</p> <p>可根据管网压力开/停机，将管网压力稳定在设定范围内，实现电网检测保护、消防稳压泵的自动化控制。可用于单泵控制、双泵循环控制。</p> | <p>Suitable for diesel engine driven fire pump unit, with 4.3-inch color LCD and dual starting logic control, battery charging status monitoring, remote communication and other functions.</p> <p>适用于柴油发动机驱动的消防水泵机组，采用4.3吋彩色液晶显示屏，具有双起启动逻辑控制、蓄电池充电状态监测、远程通讯等功能。</p> | <p>Applicable for the fire pump unit control. With manual/auto mode switching function, which can monitor the voltage condition of two groups of battery and collect the sensor signal of unit, digital switching signal to monitor the operation of the unit. With the fault alarm function.</p> <p>适用于控制消防水泵机组。具有手自动模式切换功能，可以监控两组电池的电压状况同时采集机组传感器信号、数字开关量信号来监测机组的运行情况，具有故障报警功能。</p> |
| Display/显示器 | LCD(128*64) | 4.3-inch TFT-LCD (480*272)4.3英寸液晶显示器 | LCD(132*64) |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | | |
| Language 控制器语言 | Chinese & English & Others/中文 & 英文 & 其他 | | |
| Digital Input 开关量输入 | 2 | 18 | 3 |
| Relay Output 继电器输出 | 2 | 12 | 8 |
| Analog Input 模拟量输入 | 1 | 7 | 3 |
| RTC & Event Log 实时时钟及历史记录 | | | ● |
| Scheduled Start/Stop 定时开关机 | | ● | |
| Monitor Port 监控接口 | LINK | RS485 | LINK |
| Programming Port 编程接口 | LINK | USB/RS485 | LINK |
| CANBUS | | ● | |
| DC Supply 直流工作电源范围 | DC(8 ~ 35)V | | |
| Case Dimensions 外形尺寸(mm) | 95*86*46.5(L*W*H) | 237*172*45(L*W*H) | 197*152*47(L*W*H) |
| Panel Cutout 安装尺寸(mm) | 78*66 | 214*160 | 186*141 |
| Operating Temp. 工作温度 | (-25~+70)°C | | |
| IP Protection Level/IP | IP65 | IP55 | IP65 |

RANGE-EXTENDED GENSET CONTROLLER / 增程发电控制器



HGM8110VCU
Range-Extended Genset Controller
增程发电控制器



HCU4520/4510/4320/4310
Range-Extended Genset Controller
增程发电控制器



| Model/型号 | HGM8110VCU | HCU4520 | HCU4510 | HCU4320 | HCU4310 |
|---|---|--|-----------|---|-------------------|
| Main Functions 主要功能 | <p>It is designed for automation and monitoring system of single range-extended genset, enabling start/stop control, power output, charging/discharging of high-voltage batteries, balancing motor load power demands, and system energy management strategy.</p> <p>用于单台增程发电机组自动化及监控系统，实现增程发电机组的开停机、功率输出、高压电池的充放电，实现电机负载的功率需求及系统的能量管理调度。</p> | <p>Specifically designed for range-extended power generation control systems, it is applicable to automation and monitoring systems for both single and multiple paralleled range-extended gensets. The controller can realize start/stop control, power output, charging/discharging of high-voltage batteries, balance load power demands and system energy management strategy.</p> <p>专为增程发电控制系统设计，可应用于单台增程发电机组、多台并机增程发电机组自动化及监控系统，实现增程发电机组的开停机、功率输出、高压电池的充放电功能，实现负载的功率需求及系统的能量管理调度。</p> | | <p>Specifically designed for range-extended power generation control systems, it is applicable to automation and monitoring systems for single range-extended genset. The controller can realize start/stop control, power output, charging/discharging of high-voltage batteries, balance load power demands and system energy management strategy.</p> <p>专为增程发电控制系统设计，可应用于单台增程发电机组自动化及监控系统，实现增程发电机组的开停机、功率输出、高压电池的充放电功能，实现负载的功率需求及系统的能量管理调度。</p> | |
| Display/显示器 | Graphic Dot-Matrix LCD with Built-in Heating 图形点阵自带加热LCD液晶 | 4.3-inch Color LCD/4.3英寸彩色液晶 | | | |
| Language 控制器语言 | Chinese & English/中文 & 英文 | | | | |
| Digital Input 开关量输入 | 9 | | | 6 | |
| Digital Output 开关量输出 | 8 | | | 10 | |
| Analog Input 模拟量输入 | 5 | | | 4 | |
| Comm. Port 通信接口 | RS485/USB/ETHERNET/CAN | | CAN*3/USB | | |
| RCU Data Display & Fault Analysis RCU数据显示、故障解析 | ● | | ● | | ● |
| BMS Data Display & Fault Analysis BMS数据显示、故障解析 | | | ● | | |
| GCU Data Display & Fault Analysis GCU数据显示、故障解析 | | ● | | ● | |
| ECU Data Display & Fault Analysis ECU数据显示、故障解析 | | ● | | ● | |
| DC Current Detection 直流电流检测 | ● | | | | |
| RCU Power On/Off Control RCU上下电控制 | ● | | ● | | ● |
| BMS Power On/Off Control BMS上下电控制 | | | ● | | |
| Eco Gear Control 经济档位控制 | | ● | | ● | |
| Parallel Control 并机控制 | | | ● | | |
| DC Supply 直流工作电源范围 | DC(8~35)V | | | | |
| Case Dimensions 外形尺寸(mm) | 242*186*53(L*W*H) | | | | 189*131*61(L*W*H) |
| Panel Cutout 安装尺寸(mm) | 214*160 | | | | 177*119 |
| Operating Temp. 工作温度 | (-40~+70)°C | | | | |
| IP Protection Level/IP | IP65 | | | | |



HED400
Engine Monitoring Module
发动机监控模块



HED300
Engine CAN Monitoring Module
发动机CAN监控模块



HED200
Engine Monitoring Module
发动机监控模块



| Model/型号 | HED400 | HED300 | HED200 |
|---|--|--|--|
| Main Functions 主要功能 | <p>The controller is used to realize functions of speed regulation, data measurement, and alarm display for engine. It is widely applied to various types of engine automatic system.</p> <p>实现发动机的转速控制、数据测量、报警显示等功能，广泛应用于各类型发动机自动化系统。</p> | <p>It can be used for single engine monitoring and suitable for ECU of different manufacturers with CANBUS (SAE J1939) port. All engine operation parameters can be visually displayed on the screen, it supports non-road China IV engine.</p> <p>用于单台发动机监控，带有CANBUS(SAE J1939)接口，可适用于各厂家电喷机。发动机工作参量均能在屏幕上直观显示，支持非道路四阶段发动机。</p> | <p>The module can be used for monitoring of single engine. With the RS485 interface, various parameters can be flexibly set on it. It mainly suits for non-road Stage II engines. Its protection level is IP66, and it can work normally at low temperature of -40°C.</p> <p>用于单台发动机监控，带有RS485接口，可灵活设置各项参数。主要用于非道路二阶段发动机。防护等级IP66，在低温-40°C可正常工作。</p> |
| Display/显示器 | 4.3-inch Color LCD/4.3英寸彩屏 | LCD(132*64) | |
| Operation Panel 操作面板 | Silicon Rubber/硅胶 | Touch Key/触摸按键 | |
| Language 控制器语言 | Chinese & English/中文 & 英文 | | |
| Digital Input 开关量输入 | 3 | | |
| Relay Output 继电器输出 | 3 | 1 | |
| Analog Input 模拟量输入 | 6 | 2 | 4 |
| Speed Adjustment Function 调速功能 | | ● | |
| RTC & Event Log 实时时钟及历史记录 | Event log is available and real-time clock is not available 有历史记录无实时时钟 | | ● |
| Maintenance 保养功能 | | ● | |
| DPF Regenerate DPF再生 | | ● | |
| ECU current fault analysis 解析ECU现行故障 | | ● | |
| Monitor Port 监控接口 | | RS485 | |
| Programming Port 编程接口 | RS485/USB | RS485 | |
| CANBUS(J1939) | | ● | |
| DC Supply 直流工作电源范围 | DC(8~35)V | | |
| Case Dimensions 外形尺寸(mm) | 127*115*55.9(L*W*H) | 116*98*49(L*W*H) | |
| Panel Cutout 安装尺寸(mm) | 115*103 | Φ52*50 | |
| Operating Temp. 工作温度 | | (-40~+70)°C | |
| IP Protection Level/IP | IP65 | IP66 | |

HPS/FPC915-S01
Diesel Fire Pump Control Panel
柴油消防水泵机组控制屏

The control panel is applicable for the National II and National III diesel driven fire pump. It can realize the functions of local start/stop, parameter display, alarm protection, dual battery starting, voltage and charging current monitoring of the two groups of battery. The control panel has remote monitoring interface in order to do remote control with PLC by RS485. The IP level is IP44.

控制屏适用于国二和国三柴油消防水泵。可实现机旁开机、停机、参数显示、报警保护、双电池启动、监测两组电池的电压和充电电流等功能。控制屏带有远程监控接口，可与PLC通过RS485进行远程监控。防护等级：IP44。



ECPC4300
Diesel Engine Control Panel
柴油机控制屏

The control panel is suitable for the construction machinery equipment powered by ECU diesel unit, which can realize the start/stop, speed regulation, data measurement, alarm protection and other functions of diesel engine. The remote monitoring interface can be used with remote controller or HEM4300-RM together to realize the remote monitoring function of the engine. The IP level is IP45.

控制屏适用于电喷柴油机为动力的工程机械设备。可实现柴油发动机的开机、停机、转速调节、数据测量、报警保护等功能。控制屏具有远程监控接口，可与遥控器或HEM4300-RM配合，实现发动机的远程监控功能。防护等级IP45。



ECPC4100
Diesel Engine Control Panel
柴油机控制屏

The control panel is suitable for the sewage pump, hydraulic pump station, crusher and other construction machinery equipment driven by diesel unit.

控制屏适用于柴油机为动力的排污泵，液压泵站，破碎机工程机械设备。



CCPC7100A-ZZ
Diesel Air Compressor Control Panel
柴油空压机组控制屏

The control panel is suitable for the diesel air compressor with National II, National III and above emission standards. It can realize the functions of start/stop, loading/unloading, data measurement, alarm protection. The remote monitoring interface can be used with remote controller or ACC7100A-RM or cloud monitoring to realized the remote monitoring, start/stop, loading/unloading functions of air compressor. The IP level is IP45.

控制屏适用于国二、国三及以上排放标准的柴油空压机。可实现开机、停机、加卸载、数据测量、报警保护等功能。控制屏具有远程监控接口，可与遥控器或ACC7100A-RM或云猫配合，实现空压机的远程监控、开停机、加卸载等功能。防具等级IP45。



BACM2406
Battery Charger
蓄电池充电器

BACMXX06 series charger is an intelligent, multi-functional battery charger, especially designed for the charging characteristics of lead-acid battery used for starting the engine unit.

BACMXX06系列充电器是一款智能型、多功能蓄电池充电器，专门针对发动机组起动的铅酸蓄电池的充电特性而设计。



HRC200
Industrial Remote Control
工业遥控器

Used with ACC7100A or HEM4100 controller, it can realize the remote start/stop, loading/unloading, emergency stop functions.

配合ACC7100A, HEM4100等控制器使用，可实现远程开机、停机、加载、卸载、急停等功能。



HTE05
Hand Throttle Module
手油门模块

The module adopts Hall non-contact sensor with high-precision to adjust engine speed. The dual redundant outputs can simulate the potentiometer to output the signal, the voltage range can be customized programming and suitable for different engines.

采用高精度霍尔非接触式传感器，实现发动机转速调节。双路冗余输出，可模拟电位器输出信号，输出电压范围可定制编程，可适用于不同的发动机。



HTL04A
Engine Oil Heater
机油加热器

Suitable for all kinds of engines with oil volume (50~110)L.

适用于机油容积（50~110）L的各种发动机。



HFW50-12V/HFW50-24V
Hydronic Heater (Diesel)
液体加热器（柴油）

It is an intelligent fuel engine water heater. The heater takes diesel fuel as the primary energy source and heats the engine coolant by combustion. It features low fuel consumption, fast heating, small size, easy installation, and reliable performance. The heater can be applied to various engines with a displacement of less than 30L, which is suitable for special applications without AC power supply.

为智能型燃油发动机水加热器。该装置以燃油为能源，通过燃烧的方式对发动机冷却液进行加热，能耗低，升温快，体积小、安装方便，性能可靠，适用于排量为30L以下的各种发动机，可应用于无交流供电的特殊场景。

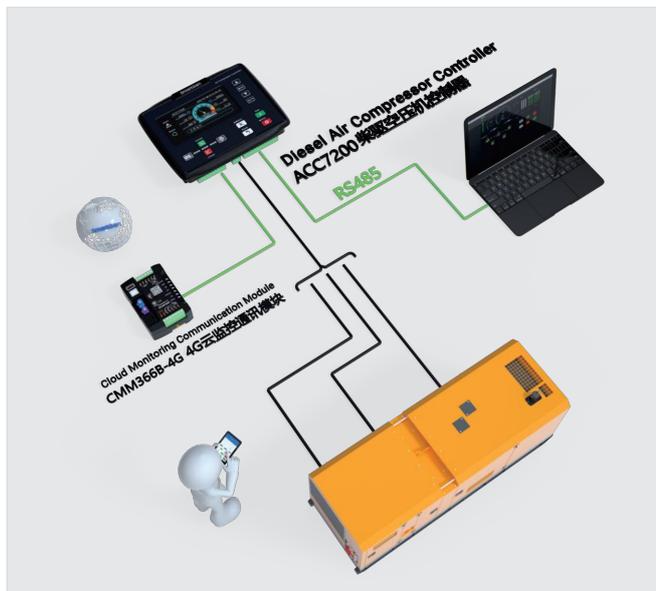


HFW50M-12V/HFW50M-24V
Hydronic Heater (Methanol)
液体加热器（甲醇）

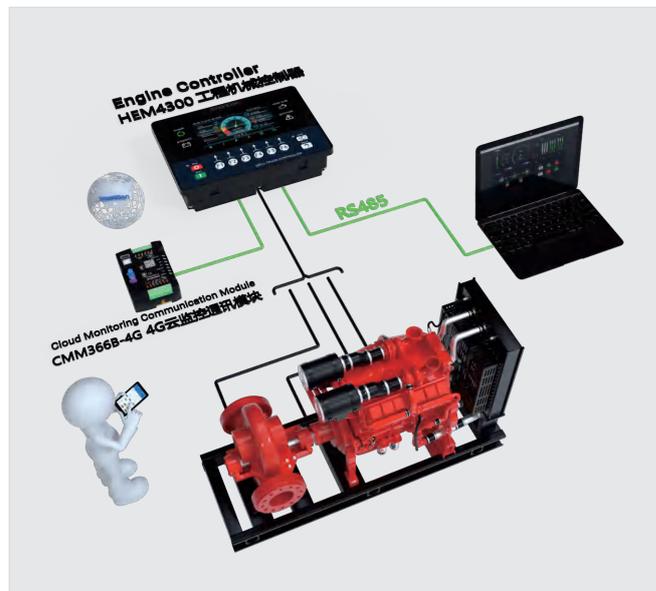
It is an intelligent Methanol engine water heater. The heater takes Methanol as the primary energy source and heats the engine coolant by combustion. It features low fuel consumption, fast heating, small size, easy installation, and reliable performance. The heater can be applied to various engines with a displacement of less than 30L, which is suitable for special applications without AC power supply.

为智能型甲醇发动机水加热器。该装置以甲醇为能源，通过燃烧的方式对发动机冷却液进行加热，能耗低，升温快，体积小、安装方便，性能可靠，适用于排量为30L以下的各种发动机，可应用于无交流供电的特殊场景。

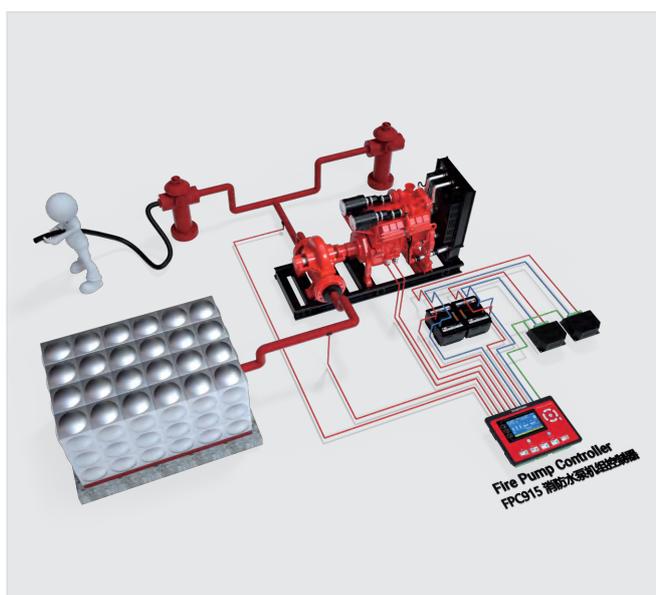




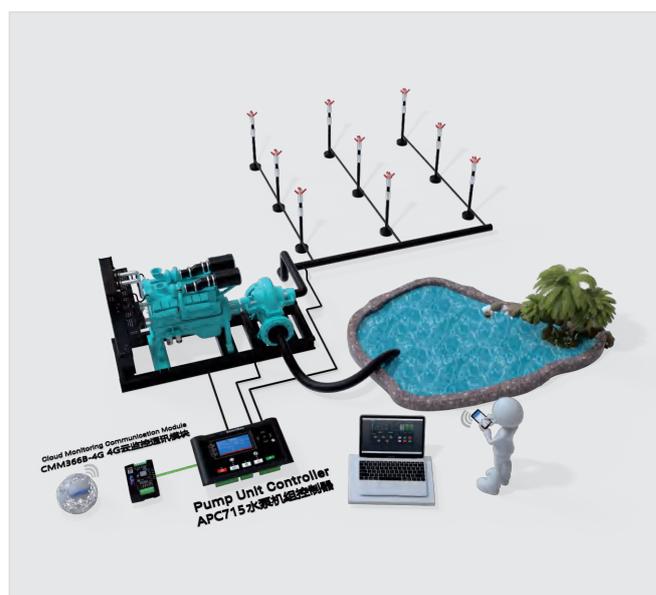
柴驱空压机解决方案
Diesel Air Compressor Solution



电控发动机控制解决方案
Electronic Engine Control Solution



柴驱消防水泵机组解决方案
Diesel Fire Pump Unit Solution



水泵机组解决方案
Pump Unit Solution



SmartGen Cloud Plus is a high-concurrency, low-latency, high-customization on-line monitoring platform of genset.

Users can add, modify, and delete genset information independently, and other user's genset can be checked and monitored by subscribing and unsubscribing functions.

SmartGen Cloud Plus adopts Websocket to actively push the data of cloud monitoring module to shorten the real-time data display time of client and reduce the network traffic of users.

SmartGen Cloud Plus provides web version and mobile Android version, IOS version, PC version three clients for users to choose.

With event log, fault push, alarm analysis, positioning, remote lock/unlock, flow check, cloud modem remote upgrade, electric fence, running track functions.

智云平台是一款高并发，低延时，高定制的机组在线监控平台。

用户可自主添加、修改、删除机组信息，可通过订阅和退订功能，实现其他用户机组的查看和监控。

智云平台采用Websocket主动推送云监控模块数据，以缩短客户端实时数据显示时间，减少用户网络流量。

智云平台提供网页版、手机Android版、手机IOS版、电脑版三种客户端供用户选择。

具有历史记录、故障推送、报警分析、定位、远程锁机/解锁、流量查询、远程升级云猫、电子围栏、运行轨迹等功能。

云监控解决方案

Solution for Cloud Monitoring



通过WIFI、4G、ETHERNET等通讯方式，配合“智云平台”可实现监控设备的远程开关机、定位、故障诊断、历史记录查询、参数配置及远程升级等功能。

The solution can realize remote start/stop, positioning, fault diagnosis, event log query, parameter configuration, remote upgrade of monitoring equipment through WIFI, 4G, ETHERNET and other communication methods with "SmartGen Cloud Plus".



New Energy Products 新能源产品



BMS主控模块
BMS Master Control Module



BMS从控模块
BMS Slave Control Module



微网控制器
Micro-Grid Controller



混合能源管理系统
Hybrid Energy Management System

Genset Controllers 发电机组控制器



单机自动发电机组控制器
Self Starting Genset Controller



AMF发电机组控制器
AMF Genset Controller



单机自启动发电机组控制器
Single Auto-start Genset Controller



增强型发电机组控制器
Enhanced Genset Controller

ATS Controllers 智能切换控制器



双电源自动切换控制器
ATS controller



经济型双电源控制器
Dual Power ATS Controller (Economical type)



低温型双电源控制器
Low-temperature Dual Power ATS Controller



双电源自动切换控制器
Dual Power ATS Controller



储能变流器
Power Conversion System



风冷电池模块
Air-Cooled Battery Module



液冷电池模块
Liquid-Cooled Battery Module



液冷一体储能柜
Liquid-cooled ESS Cabinet



分体式发电机组并联控制器
Split Type Genset Parallel Controller



低温分体式发电机组控制器
Low-temperature Split Genset Controller



冗余并联发电机组控制器
Redundant Parallel Genset Controller



发电机组远程监控控制器
Remote Monitoring Controller



双电源同步切换控制器
Dual Power Synchronous ATS Controller



双电源母联自动切换控制器
Dual Power Bus Tie Controller



三电源母联自动切换控制器
Three Power Bus Tie Controller



中压双电源自动切换控制器
Medium Voltage ATS Controller

Marine Engine Controllers 船用机旁控制器



游艇发动机控制器
Yacht Engine Controller



小型船用发动机控制器
Small Marine Engine Controller



船用柴油发动机控制器
Marine Diesel Engine Controller



增强型船用发动机控制器
Enhanced Marine Diesel Engine Controller

Chargers/Heaters 充电器/加热器



数显型蓄电池充电器
Digital Display Battery Charger



智能型蓄电池充电器
Smart Battery Charger



蓄电池充电器
Battery Charger



蓄电池充电箱
Battery Charger Box

Others 其他



增强型数字电压调节器
Enhanced Digital Voltage
Regulator



标准型数字电压调节器
Standard Digital Voltage
Regulator



标准型数字电压调节器
Standard Digital Voltage
Regulator



基础型数字电压调节器
Basic Digital Voltage
Regulator



船用发动机远程监控控制器
Remote Monitoring Controller



功率管理控制器
Power Management Controller



分体式功率管理控制器
Split Type Power Management Controller



发动机监控仪
Engine Monitoring Controller



液体加热器
Hydronic Heater



强制循环水加热器
Forced Circulation Heater



强制循环水加热器
Forced Circulation Heater



强制循环水加热器
Forced Circulation Heater



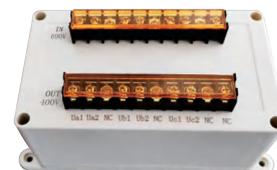
双电源自动转换开关
Dual Power Automatic
Transfer Switch



4G云监控通信模块
4G Cloud Monitoring
Communication Module



电量综合保护模块
Power Integrated
Protection Module



变压器模块
Transformer Module



SmartGen
EST.1998

SmartGen 众智

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