SmartGen众智

MAKING CONTROL SMARTER

股票代码 Stock Code 301361

PRODUCT CATALOGUE

产品选型样册

SMARTGEN(ZHENGZHOU) TECHNOLOGY CO., LTD. www.smartgen.com.cn www.smartgen.cn



MAKING CONTROL SMARTER 2026

SMARTGEN(ZHENGZHOU) TECHNOLOGY CO., LTD.



HWP22
Forced Circulation Heater
强制循环水加热器



HWP40N
Forced Circulation Heater
强制循环水加热器



HWP45N
Forced Circulation Heater
强制循环水加热器



HWP40R/HWP60R/HWP90R/HWP120R
Forced Circulation Heater
强制循环水加热器

Model/型号	HWP22	HWP40N	HWP40	HWP45N	HWP40R	HWP60R	HWP90R	HWP120R
Main Functions 主要功能	Wide application on various engines coolant preheating. 适用于各种型号发动机的冷却液预加热。							
Rated Power 额定功率	2200W	4000W		4500W	4000W	6000W	9000W	12000W
Rated Voltage 额定电压	AC240V			AC240V		AC420V		
Rated Current 额定电流	9.2A	16.7A		18.8A	16.7A	8.3A	12.5A	16.7A
Phase 相数	单相	1P2W		单相		三相		
Engine Displacement 适用发动机排量(L)	≤15	20~30	15~30	15~35	15~30	25~50	50~75	75~100
Thermostat Range 断开及复位温度	Off/断开点：(40~60)℃ On/复开点：(25~45)℃	Off/断开点：(5~70)℃ On/复位点：(0~65)℃	Off/断开点：(5~99)℃ On/复位点：(0~94)℃	Off/断开点：(5~70)℃ On/复位点：(0~65)℃	Off/断开点：(5~80)℃ On/复位点：(0~65)℃			
Default Thermostat Range 出厂温度值	Off/断开点:(40±3)℃ On/复开点:(25±3)℃	Off/断开点:(40±2)℃ On/复开点:(25±2)℃		Off/断开点:(40±3)℃ On/复开点:(25±3)℃	Off/断开点：(40±2)℃ On/复位点：(25±2)℃			
Overheating Switch 过热开关动作温度	Off/断开点:(95±3)℃ On/复开点:(80±3)℃	Off/断开点:(95±3)℃ On/复位点:Manual-return/手动复位	Off/断开点:(95±3)℃ On/复位点:(80±6)℃	Off/断开点:(95±3)℃ On/复位点:Manual/Auto 手动/自动复位				
Insulating Resistance 绝缘电阻	≥50MΩ							
Electrical Strength 电气强度	AC 1.5kV 1min							
Inlet/Outlet Size 进出水口尺寸	3/4"(Φ19.5mm)				(Φ19.5mm)			
Max.Water Pressure 承受最大水压	0.5MPa							
Pump Flow Velocity 水泵流速	30L/min(1.5m of head/扬程1.5米时)	40L/min(1.5m of head/扬程1.5米时)		30L/min(1.5m of head/扬程1.5米时)	40L/min(1.5m of head/扬程1.5米时)			
Protection Class 防护等级	IP44							
Vibration Resistance 抗振动能力	(5~8)Hz;Amplitude/振幅±7.5mm; Tri-axial/三轴(8~500)Hz;a/加速度±4g;Tri-axial/三轴	(5~8)Hz; Amplitude/振幅±7.5mm;Tri-axial/3个轴分别振动14min (8~500)Hz;a/加速度=2g;Tri-axial/3个轴分别振动120min IEC 60068-2-6						
Shock Resistance 抗冲击能力	Half-sine Wave/半正弦波; a_{peak}/峰值加速度=50g; Tri-axial/三轴				50g, 11ms, half-sine, apply three shocks successively in each direction of three mutually perpendicular axes, which means 18 shocks in total 50g，11ms，半正弦， 三个互相垂直方向的每一方向连续施加三次冲击，即共18次 IEC 60068-2-27			
Case Dimensions 外形尺寸(mm)	356*175*162(L*W*H)	414*175*116(L*W*H)	444*270*380(L*W*H)	440*175*162(L*W*H)	444*268*435(L*W*H)			
Weight/重量(kg)	4.9	5.3	14	5.7	14			

SmartGen
EST.1998

HEATERS / 加热器



HT10M/HT22M
Self-circulation Engine Water Heater
自循环水加热器



HT40MB
Self-circulation Engine Water Heater
自循环水加热器



HT40N
Self-circulation Water Heater
自循环水加热器



HT322
Engine Water Heater
水加热器

Model/型号	HT10M	HT22M	HT40MB	HT40N	HT322
Main Functions 主要功能	Wide application on various engines coolant preheating 适用于各种型号发动机的冷却液预加热				
Rated Power 额定功率	1190W	2200W	4000W		2200W
Rated Voltage 额定电压	AC240V				
Rated Current 额定电流	5A	9.2A	16.7A		9.2A
Engine Displacement 适用发动机排量(L)	2.5~7	7~13	13~25		7~13
Thermostat Set Point 恒温点	(40±3)℃				
Temperature Switch 温控开关动作温度	Off/断开: (40±3)℃ Reset/复位: (25±6)℃ (Customizable/可定制)		Off/断开: (40±3)℃ Reset/复位: (25±5)℃ (Customizable/可定制)		Off/断开: (40±3)℃ Reset/复位: (25±6)℃
Overheating Switch 过热开关动作温度	Off/断开: (110±3)℃ Reset/复位: Manual/手动复位≤95℃		Off/断开: (95±4)℃ Auto Reset/ 自动复位＜80℃	Off/断开: (95±3) ℃ Reset复位: (80±5) ℃	
Insulating Resistance 绝缘电阻	≥50MΩ				
Electrical Strength 电气强度	AC 1.5kV 1min，≤2.5mA				
Inlet/Outlet Size 进出水口尺寸	3/4''(Φ19mm)				
Max.Water Pressure 承受最大水压	0.5MPa				
IP/防护等级	IP54				IP67
Vibration Resistance 抗振动能力	(5~8)Hz; Amplitude/振幅±7.5mm; Tri-axial/三轴 (8~500)Hz; a/加速度=2g(HT322抗震动加速度为4g); Tri-axial/三轴				
Shock Resistance 抗冲击能力	Half-sine Wave/半正弦波; a_{peak}/峰值加速度=50g; Tri-axial/三轴				
Overheat reset 防干烧复位	Manual reset 手动复位		Auto reset 自动复位		
Manual test 手动测试	●				
Case Dimensions 外形尺寸(mm)	208*150*177(L*W*H)		471*306*218 (L*W*H)	389*182*116 (L*W*H)	238*135*133 (L*W*H)
Weight/重量(kg)	1.9		5.6	4.3	0.95



HTL04A
Immersion Lube Oil Heater
浸入式机油加热器

Model/型号	HTL04A
Main Functions 主要功能	Wide application on various engines with (50~110)L lubricant oil volume. 适用于机油体积为(50~110)L的各种发动机。
Rated Power 额定功率	400W
Rated Voltage 额定电压	AC240V
Rated Current 额定电流	1.67A
Lubricant Oil Volume 适用机油容积(L)	50~110L
Thermostat Range 断开及复位温度	Off/断开点: 50℃ Customized On/复位点: 35℃ (可定制)
Insulating Resistance 绝缘电阻	≥50MΩ
Electrical Strength 电气强度	AC 1.5kV 1min 漏电流≤3mA
Pannel Cutout 安装尺寸(mm)	Thread outer diameter optional range Φ(22~33.5) 螺纹外径可选范围Φ(22~33.5)
Max.Water Pressure 承受最大水压	0.5MPa
IP/防护等级	IP65
Vibration Resistance 抗振动能力	5~8Hz:17mm 8~100Hz:加速度4g 100~500Hz:加速度2g IEC60068-2-6
Shock Resistance 抗冲击能力	550g,11ms,half-sine,complete shock tests from three directions, with a total of 18 shocks per test. 50g,11ms,半正弦,完成从三个方向的冲击测试,每个测试共有18个冲击IEC60068-2-27
Case Dimensions 外形尺寸(mm)	255*43*43(L*W*H)
Weight/重量(kg)	0.59



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

Model/型号	HFW50-12V	HFW50-24V
Main Functions 主要功能	The heater is suitable for various engines with 30L displacement below, and it can be applied to special scenarios where AC power supply is unavailable. 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。	
Heat Flow/热流量	5500W	
Rated Voltage/额定电压	DC 12V	DC 24V
Run-time Power Consumption 运行时功耗	48W	
Operating Voltage Range 工作电压范围	DC (10~16)V	DC (20~32)V
Fuel Consumption/油耗	0.46L/h	0.55L/h
Engine Displacement 适用发动机排量	≤30L	
Thermostat Range 断开及复位温度	Off/断开点: (5~80℃) On/复位点: (0~75℃)	
Dry-burning Protection Temp. 干烧保护动作温度	Temperature difference between water temperature sensor and dry-burning sensor should be more than 100 ℃ or the temperature of dry-burning sensor is more than 100 ℃. 水温传感器与干烧传感器温差 > 100℃或者干烧传感器温度 > 100℃	
Max.Water Pressure 承受最大水压	0.5MPa	
Pump Flow Velocity 水泵流速	17L/min (1.5m of head)/扬程1.5米时17L/min	
Vibration Resistance 抗振动能力	5~8Hz: 位移±17mm 8~100Hz:加速度4g 100~500Hz:加速度2g	
Shock Resistance 抗冲击能力	550g,11ms,half-sine,complete shock tests from three directions, with a total of 18 shocks per test. 50g,11ms,半正弦,完成从三个方向的冲击测试,每个测试共有18个冲击IEC60068-2-27	
Operating Altitude/工作海拔	≤3000m (≤5500m，需订制)	
Operating Temp.Range 工作温度范围	-40℃~+70℃	
Inlet/Outlet Size 进出水口尺寸	Φ19.5mm	
Case Dimensions 外形尺寸(mm)	315*192*230(L*W*H)	
Weight/重量(kg)	5.3	



BACM1206 (RS485)



BACM2406 (RS485)



BACM2410 (RS485)



BACM2420A (RS485)



BACM2440



PDC2420

Model/型号	BACM1206	BACM2406	BACM2410	BACM2420A		BACM2440		PDC2420
Battery Voltage 电池电压	12V	24V	24V	12V	24V	12V	24V	24V
Max.Charging Current 最大充电电流	6A	6A	10A	20A		40A		20A
Rated Input Voltage 额定输入电压范围	AC(100~240)V			AC(100~277)V		AC(300~500)V		DC(18~72)
Max.Input Voltage Range 最大输入电压范围	AC(90~280)V			AC(90~305)V		AC(300~500)V		DC(18~72)
Max.Input Current 最大输入电流	1.5A	3A	4A	4.2A	8.2A	3A	5A	34A

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CHARGERS/ 充电器



BAC06A



BAC06AU



BAC05NJ



BAC1210



BAC2405



BAC2408



BAC4812
DC Charger/直流充电器

Model/型号	BAC06A		BAC06AU		BAC05NJ		BAC1210	BAC2405	BAC2408	BAC4812
Battery Voltage 电池电压	12V	24V	12V	24V	12V Two-Stage/Three-stage 二段式/三段式	24V Two-Stage/Three-stage 二段式/三段式	12V	24V	24V	12V
Max.Charging Current 最大充电电流	6A	3A	4A	3A	5A		10A	5A	8A	3A
Rated Input Voltage 额定输入电压范围	AC(95~280)V		AC(100~240)V		AC(150~277)V		AC(100~277)V	AC(100~240)V		DC48V
Max.Input Voltage Range 最大输入电压范围	AC(90~305)V		AC(90~280)V		AC(150~305)V		AC(90~305)V	AC(90~280)V		DC(36~72)V
Max.Input Current 最大输入电流	2A		2A		1.2A	2A	2.5A		3A	1A



BAC2410D



BAC1203VE



BAC06CF-12V



BAC06CF-24V

Model/型号	BAC2410D	BAC1203VE	BAC06CF-12V	BAC06CF-24V
Battery Voltage 电池电压	24V	12V	12V	24V
Max.Charging Current 最大充电电流	10A	3A	6A	3A
Rated Input Voltage 额定输入电压范围	AC(100~277)V			
Max.Input Voltage Range 最大输入电压范围	AC(90~305)V			
Max.Input Current 最大输入电流	4A	1A	2A	2A



BAC06N
Battery Charger
蓄电池充电器



BCW20
Wall-mounted Battery Charging Box
壁挂式蓄电池充电箱

Model/型号	BAC06N		BCW20	
Battery Voltage 电池电压	12V	24V	12V	24V
Max.Charging Current 最大充电电流	6A	3A	20A	
Rated Input Voltage 额定输入电压范围	AC(100~277)V		AC(100~277)V	
Max.Input Voltage Range 最大输入电压范围	AC (95~305)V		AC(90~305)V	
Max.Input Current 最大输入电流	2A		3.5A	7A

Land Genset Control Panel
陆用发电机组控制屏

GPP/9510/1000A
GPP Series Genset Parallel Panel
GPP系列自动并联控制屏



GCP6120N/250SG
GCP Series Vertical Type
GCP系列立柜式控制屏



GCP6120N
GCP Series Wall-Mounted
GCP系列壁挂式控制屏



GCP6110N
GCP Series Backpack Type
GCP系列背包式控制屏



GCPL6110N
GCP Series Genset Control Panel
GCP系列发电机组控制屏



GCPBE62/B/GCPBE62CAN/B
GCP Series Backpack Type
GCP系列背包式控制屏



ATS Series Automatic Transfer Panel
ATS系列双电源自动切换控制屏

ATSE600N/250SG
ATS Series Automatic Transfer Panel
ATS系列双电源自动切换
控制屏



ATS560NBC/125A
ATS Double Power Switch Panel/ATS
ATS系列双电源开关屏



Engineering Machinery Control Panel
工程机械控制屏

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



ECPC4300
Diesel Engine Control Panel
柴油机控制屏



ECPC4100
Diesel Engine Control Panel
柴油机控制屏



CCPC7100A-ZZ
Diesel Air Compressor Control Panel
柴驱空压机组控制屏

