

MPG series

Energy Storage Converter

MPG系列储能转换器

100-1200KVA



Flexible Configurraon 灵活配置

Three-level modular design, two-way energy conversion
Optional STS device to realize seamless switching between grid and off-grid

Efficient and stable 高效稳定

Each module operates independently, and the system online rate is 99%
Support 1/4 branch circuit battery access which avoid direct parallel connecton of baary packs and effeccvly solve circualron problems

Intelligent Collaboraton 智能协作

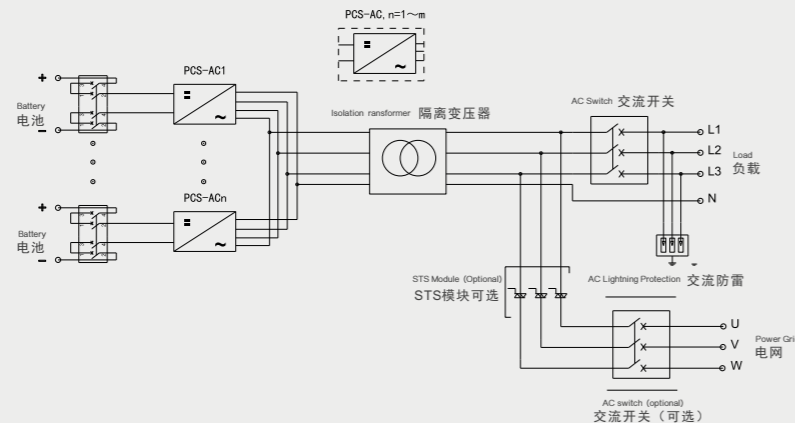
With active and reaccve power four-quadrant adjustment functon, with automaac operaron strategy for peak shaving and valley filling, with VSG virtual synchronous machine technology

Grid friendly 友好安全

With LVVRT and HVVRT functons
With active and reaccve power four-quadrant adjustment functon
With accurate switching functon of power source, network and load

Product application diagram

线路图



Technical Specificaaon 产品系列	MPG Series 100-1200									
AC PARAMETERS 交流参数										
Rated AC Power 额定交流功率	100KVA	200KVA	300KVA	400KVA	500KVA	600KVA	800KVA	1000KVA	1200KVA	
Allowable Grid Voltage 允许电网电压	380/400(±15%)VAC									
Allowable Grid Frequency 允许电网频率	50/60(±2.5)Hz									
THDi 电流谐波	≤3%									
Power factor 功率因数	0.99/-1~1									
Overload capacity 过载能力	110KVA	220KVA	330KVA	440KVA	550KVA	660KVA	880KVA	1100KVA	1320KVA	
Wiring method 接线方法	three-phase four-wire 三相四线									
Isolaton transformer 隔离变压器	Optional 可选择的									
DC PARAMETERS(BATTERY) 直流参数 (电池)										
Batery Voltage Range 蓄电池电压范围	600~900VDC									
Number of DC access circuits 直流入入电路数量	1/2/4/5/8									
Maximum Charging Current 最大充电电流	150A	300A	450A	600A	880A	1100A	1400A	1700A	2200A	
PROTECTION & FEATURES 保护和功能										
DC Input Switch 直流输入开关	YES 支持									
Ant-island Proteccion 孤岛保护	YES 支持									
Output Overcurrent Protecton 输出过电流保护	YES 支持									
DC Surge Protecton 直流浪涌保护	Type II									
AC Surge Protecton 交流浪涌保护	Type II									
Insulaton Impedance Test 绝缘阻抗测试	YES 支持									
Leakage Current Protecton 漏电保护	YES 支持									
SYSTEM PARAMETER 系统参数										
Maximum Efficiency 最大功率	98%									
Dimensions W x D x H (mm) 尺寸	800*2160*800					1100*2160*800				
Net Weight(KG) 重量	180	245	320	410	550	580	660	750	830	
Noise 噪音	<75dB									
Degree Of Protecton 防护等级	IP20									
Allowable Ambient temperature 允许环境温度	0~95% (non condensing)					0~95% (不凝结的)				
Humidity 湿度	-20°C									
Altitude 海拔高度	(>3,000m Deratng)									
Cooling Mode 冷却模式	Air cooling 空气冷却式									
COMMUNICATION PARAMETERS 通信参数										
Display 显示器	Touch LCD Display 触摸LCD显示器									
Communicaton Interface 通信接口	RS485/CAN									
Communicaton Protocol 通信协议	ModbusTCP/RTU,IEC104,IEC61850									
BMS Access BMS访问	YES 支持									