

ESS-PCS-125

125kW模块化储能变流器 (SiC)

125kW Modular energy storage converter (SiC)



3S深度集成设计 / 3S Deep Integration Design

集成EMS、BMS和PCS功能

Integrate EMS, BMS and PCS functions.



过载能力强 / Strong Overload Capacity

1.1倍长期过载运行

1.1 times of long-term overload operation.



多机并联 / Multi-Machine Parallel Connection

虚拟同步技术, 可支持多台电压源并联

Virtual synchronization technology, which can support multiple voltage sources in parallel.



不平衡带载 / Unbalanced Load

支持100%不平衡带载

Support 100% unbalanced load.



SiC软开关技术 / SiC Soft Switching Technology

采用碳化硅半导体器件, 转化效率高, 模块化设计, 易安装, 易维护

Silicon carbide semiconductor devices, high conversion efficiency, modular design, easy installation, easy maintenance.



产品型号/Product model	ESS-PCS-125
直流侧参数/DC Side Parameters	
直流电压范围/DC voltage range	630~876Vdc
最大直流电流/Maximum DC current	223A
交流侧参数/AC Side Parameters	
交流额定功率/AC rated power	125kW
交流最大电流/AC maximum current	199A
THDi(额定功率)/THDi (Power rating)	<3% (I _{pn})
直流分量/DC component	<0.5% (I _{pn})
额定电网电压/Rated grid voltage	400V
功率因数可调范围/Adjustable range of power factor	-1~1
额定电网频率/Rated grid frequency	50Hz±2Hz
隔离方式/Isolation mode	无变压器/No transformer
接线方式/Wiring mode	3W+N+PE
系统参数/System Parameters	
系统最大效率/Maximum system efficiency	98.00%
充放电切换时间/Charge and discharge switching time	<25ms
通讯协议/Communication protocol	Modbus-RTU/TCP/CAN2.0
防护等级/Protection degree	IP20
冷却方式/Cooling method	智能风冷/Intelligent air cooling
工作温度/Operating temperature	-30~+55°C
相对湿度/Relative humidity	≤95% (无凝露) / ≤ 95% (no condensation)
工作海拔/Operating altitude	≤4000m (2000m以上降容) ≤ 4000m (more than 2000m capacity reduction)
噪音/Noise	≤60dB
系统尺寸(宽*高*深)/System dimensions (W * H * D)	600*280*640mm
重量/Weight	60kg