

AGSP-ASS-090H/180H-S

光储型飞机地面静变电源

Ground static variable power supply (uninterrupted)



- 应用于民航机场，配合机场节能减排与“绿色机场”建设，替代传统APU电源，为飞机提供清洁高效稳定的400Hz电源。
It is applied to civil aviation airports, cooperating with airport energy saving and emission reduction and "green airport" construction, replacing the traditional APU power supply, and providing clean, efficient and stable 400 Hz power supply for aircraft.
- 集飞机地面静变电源、储能电池为一体，地面固定安装。应用于远机位，可有效解决远机位供电容量不足问题。
It integrates aircraft ground static variable power supply and energy storage battery, and is fixed on the ground. The method is applied to that remote position and can effectively solve the problem of insufficient power supply capacity of the remote position.
- 采用自主研发的电池均衡管理技术，提升电池一致性，减缓电池衰减，延长电池使用时间。
It adopts self-developed battery equalization management technology to improve battery consistency, slow down battery attenuation and prolong battery life.
- 可支持B319、B320、B321等C类飞机供电以及满足民航各类飞机供电要求，支持B787、A330等E类飞机供电。
It can support the power supply of Class C aircraft such as B319, B320, B321 and It meets the power supply requirements of various civil aviation aircraft and supports the power supply of B787, A330 and other E-class aircraft.



供电可靠 / Reliable Power Supply

电网与电池双电源供电，
不受电网闪断影响
Dual power supply of power grid and battery,
not affected by power grid flashover.



智慧能效管理系统 / Intelligent EEMS

错峰取电，
降低用电成本
Staggered peak power supply to reduce
power consumption cost.



智能诊断 / Intelligent Diagnosis

运行全过程诊断，
故障定位准确，检修方便
Diagnosis in the whole process of operation,
accurate fault location and convenient maintenance.



云服务 / Cloud Services

搭载自主开发的云平台，
设备数字化管理，提高运维效率
Equipped with self-developed cloud platform,
equipment is managed digitally to improve operation
and maintenance efficiency.



产品型号/Product model	AGSP-ASS-090H	AGSP-ASS-180H-S
交流输入/AC Input		
额定电压范围/Rated voltage range	380±15%	320V~440V
额定频率范围/Rated frequency range	50Hz±5%	
连接方式/Connection mode	三相四线 (带地线) /Three-phase four-wire (with ground wire)	
功率因数/Power factor	>0.96	>0.95
400Hz输出/400Hz Output		
额定电压/Rated voltage	115/220VAC, 三相四线/115/220VAC, 3-phase, 4-wire	
额定电流/Rated current	261A	521.7A
额定功率/Rated power	90kVA	180kVA
额定频率/Rated frequency	400Hz	400Hz
功率因数/Power factor	0.7~0.95	0.7~0.95
直流分量/DC component	0.06V	0.05V
电压THD/Voltage THD	2.54%	1.9%
波峰系数/Crest factor	1.46~1.49	1.42~1.48
相电压不平衡/Phase voltage unbalance	1.92V	0.9V
稳态频率/Steady-state frequency	399.90~400.02Hz	399.8~400Hz
电压调制幅度/Voltage modulation amplitude	1.97V	1.97V
相移/Phase shift	119.9°~121.5°	119.9°~121.5°
过载/Overload		
125%	持续600s/Last 600s	
150%	持续60s/Last 60s	
200%	持续30s/Last 30s	
300%	持续10s/Last 10s	
400%	持续1s/Last 1s	
效率/Efficiency		
复合效率/Compound efficiency	>90%	
环境/Environment		
工作温度/Operating temperature	-30℃~60℃	-30℃~55℃
相对湿度/Relative humidity	0~100% (无凝露) /0 ~ 100% (no condensation)	
噪音等级/Noise level	<70dB	
防护等级/Protection degree	IP54	
结构/Structure		
尺寸(长*宽*高) /Dimensions (L * W * H)	3530*1750*2030mm	3368*1760*2150mm
重量/Weight	6000kg	8000kg
其他/Other		
平均故障时间间隔MTBF/Mean time between failure MTBF	>15000小时/> 15000 hours	
平均故障修复时间MTTR/Mean time to repair MTTR	<20分钟/< 20 minutes	