

AIPS-100A Energy Storage Converter



Model	AIPS-100A
AC parameters	
Rated AC power	100kVA
Wiring mode	3-phase 3-wire/3-phase 4-wire
AC overload capability	110kVA
Allowable grid voltage	380/400 (-15%~15%) Vac
Allowable grid frequency	50/60 (-2.5~2.5) Hz
Total current harmonic distortion	≤3%
Power factor	0.99/-1~1
DC parameters	
Maximum DC power	110kW
DC voltage range	630~900Vdc
Maximum DC current	175A
Voltage stabilization accuracy	≤±1%
Steady current accuracy	≤±1%
System parameters	
Maximum conversion efficiency	98.5%
Dimensions (W × H × D)	485×220×830mm
Weight	50kg
Noise	< 75dB
Degree of protection	IP20
Allowable ambient temperature	-20~60°C
Cooling method	Air Cooling
Permissible relative humidity	0-95% (no condensation)
Allowable altitude	3000 m (over 3000 m derating)
Communication parameters	
Communication interface	RS 485, Ethernet, CAN
Communication protocol	Modbus TCP/RTU, CAN2.0
BMS access	Support