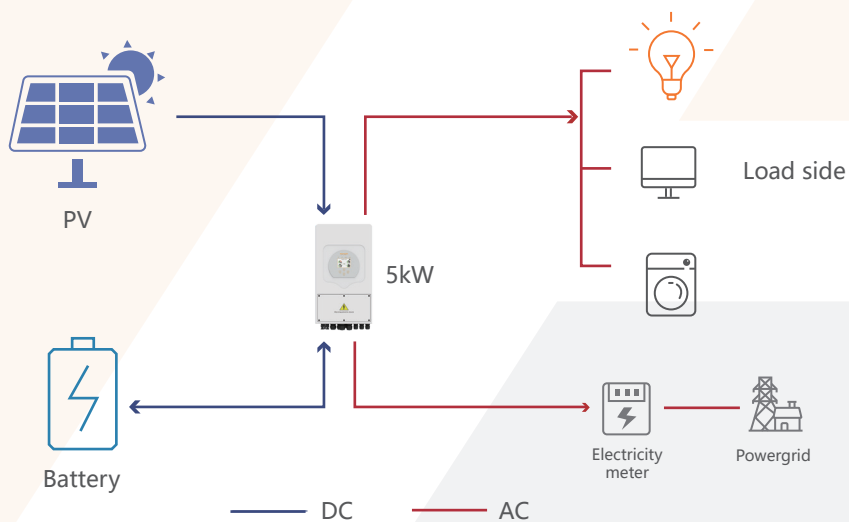




Ares-H05-LV



Model	Ares-H05-LV
Phase	Single phase with 2 lines
AC output voltage	220V
AC parameters	
Rated output power	5000W
Max output power	5500W
Peak power (off-grid)	2 times of rated power, 10s
Rated output current	21.7A
Max output current	25A
Max Continuous AC Passthrough	35A
Rated output frequency	50/60Hz
Current harmonic distortion	THD<3%(Linear load<1.5%)
Efficiency	
Max efficiency	97.6%
MPPT efficiency	99.9%
Protection	
PV Input Lightning Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
PV Arc Fault Detection	NOT integrated
Anti-islanding Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Certifications	
Grid Regulation	VDE 0126,AS4777,NRS2017,G98,G99,IEC61683, IEC 62116, IEC 61727
Safety Regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3
PV input parameters	
Max. DC Input Power	6500W
PV Input Voltage	370V(100V~500V)
MPPT range	125V-425V
Start-up Voltage	150V
PV Input Current	11A+11A
No. of MPPT	2
No. of Strings per MPPT	1/1
Battery Input Data	
Battery Type	LFP
Battery Voltage Range	40V-60V
Max. Charging Current	120A
Max. Discharging Current	120A
Charging Curve	3 Stages/equalization
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
General Data	
Operating Temperature Range	-25~60℃, >45℃ Derating
Cooling	Fan
Noise	<30dB
Communication with BMS	RS485; CAN
Weight	20.5Kg
Dimension (W*H*D)	330×580×208mm
Protection Degree	IP65
Mounting type	Wall-mounted
Warranty	5 years