

All-in-one Residential ESS



AEGIS

6kW / 8kW
16kWh



Intelligent Operation and Maintenance

- Built-in WiFi & remote monitoring
- OTA remote upgrade keeps the system up to date



Assured Reliability

- All-in-one design including inverter, battery & BMS
- Aerosol fire suppression for precise protection



High Performance

- Low noise operation
- Seamless switching for uninterrupted power supply
- Support up to 3 units in parallel
- Maximum PV input current up to 20 A, easily compatible with high-power modules



Flexible Adaptability

- Independent generator & smart load port
- Effortless installation, wiring on both sides
- Wheel design enables more convenient installation

PV INPUT		
Max. recommended PV array power	7 kWp	10 kWp
Max. PV input voltage ^①	450 d.c. V	
Rated PV input voltage	360 d.c. V	
Operating voltage range	90 - 450 d.c. V	
Start-up voltage	95 d.c. V	
No. of MPP trackers / strings per MPP tracker	1	2 (1 / 1)
Max. input current per MPPT	20 d.c. A	20 / 20 d.c. A
Max. input short circuit current per MPPT	22 d.c. A	
AC INPUT (ON-GRID)		
Max. AC input apparent power	9.2 kVA	12.1 kVA
Max. AC input current	40 a.c. A @ 230 a.c. V	53 a.c. A @ 230 a.c. V
Rated AC voltage	230 a.c. V	
Rated AC frequency	50 / 60 Hz	
AC frequency range ^②	40 - 70 Hz	
BATTERY		
Battery type	Lithium	
Rated battery voltage	51.2 V	
Nominal energy	16 kWh	
Usable energy(95% DOD) ^③	15.2 kWh	
AC OUTPUT (OFF-GRID)		
Rated output apparent power	6 kVA	8 kVA
Peak output Power	2 times of rated power, 5s	2 times of rated power, 5s
Rated output current	26.1 a.c. A	34.8 a.c. A
Rated output voltage, frequency	230 a.c. V, 50 / 60 Hz	
Switchover time	4 ms	
EFFICIENCY		
Max. efficiency	94.5%	
ENVIRONMENT LIMIT		
Ingress protection	IP40	
Operating temperature range	-10 ~ 50℃	
Max. operating altitude	3000 m	
Relative humidity	5 ~ 90% RH (non-condensing)	
Overvoltage category	Mains: III, PV: II	
GENERAL		
Dimensions (W × H × D)	400 × 1142 × 289 mm	
Net weight	133.0±1 kg	
Cooling concept	Smart air cooling	
Communication interfaces	CAN, WiFi, DO, RS485	
Topology	Non-isolated	
Certifications	IEC 62109, IEC 62477, IEC 62619, IEC 63056, CE-EMC, UN 38.3, MSDS	
PROTECTION		
Protections	Over / under voltage protection, DC isolation protection, DC reverse-polarity protection, Grid monitoring, DC injection monitoring, Over temperature protection, AC overcurrent protection, AC short-circuit protection, Active anti-islanding method, Residual current protection, Aerosol fire suppression protection	

① The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter

② The AC frequency range may vary from different country codes

③ Test conditions: 95% DOD, 0.5C charge & discharge @+25°C