

MODEL	Aegis 3600ES	Aegis 5000ES
INPUT DATA (DC)		
Max. DC Power	3800W	5400W
Max. DC Voltage	550V	
Start voltage	110V	
DC Normal Voltage	360V	
PV Voltage Range.	100V-550V	
MPPT Voltage Range	120V-500V	
MAX. Input Current Per String of	11A/11A	
Number of independent MPPT Inputs	2	
OUTPUT DATA (DC)		
Nominal AC Output Power	3600W	5000W
MAX. AC Apparent Power	3600VA	5000VA
MAX. Output current	16.4A	22.8A
AC Nominal Voltage Range	220V/230V/240V;180-280V	
AC Grid Frequency Range	50/60Hzx5Hz	
Power Factor Rate Power	1	
Power Factor	0.9 Leading	
THDI	<0.3%	
AC Connection	Single phase	
BATTERY		

Battery Type	Li-ion or Lead-acid	
Nominal Voltage	51.2V	
Battery Capacity	≥1000AH (depending requirement)	
Energy	5.0KWH	
Max. Discharge/Charging Power	3600W	
Charging Curve	3-stage Adaptive with main tenace	
Operating Voltage Range	40V-60V	
Protection	66A/66A	
Max. Discharge/Charging Current		
BACKUP OUTPUT		
Max. Output Rate Power Without Solar	3600W	
Max. Output Power with Solar	5000W	
Peak Power	4500W, 3s	
Output Voltage.	230V, 50Hz (60Hzoptional)±0.2%.THDv<3% (Linear load)	
EFFCIENCY		
Max. Efficiency	97%	97.10%
Euro-eta	96.50%	96.50%
MPPT Efficiency	99.50%	99.50%
PROTECTION DEVICES		

DC Reverse Polarity Protection	YES
DC Switch Rating for Each MPPT	YES
Output Over Current Protection	YES
Output Over Voltage Protection	YES
Ground Fault Monitoring	YES
Grid Monitoring	YES
Integrated all-pole Sensitive Leakage Current	YES
GENERAL DATE	
Dimensions (W*H*D)	495*420*165mm
Weight	28kg
Operating Temperature Range	-25+60°C (-13+140°C) with derating above 45°C (113°C)
Noise Emission (Typical)	≤25db (A)
Altitude	Up to 2000m (65600ft) without power derating
Relative Humidity	95%
Consumption: Operating (standby) /night	<5w/<5w
Topology	No transformer
Cooling Concept	Natural
Environmental Protection Rating	IP65

FEATURES	
DC Connection	H4/MC4
AC Connection	Screw Terminal
Display	LED
Interface	WIFI/USB, GPRS/3G/RS485(OPTIONAL).
Warranty	5Years, 10years/15years(optional)
Certificates and Approvals	CE, IEC62109-182, VDE0126-1-1, G83/2, AS4777&AS/NZS 3100