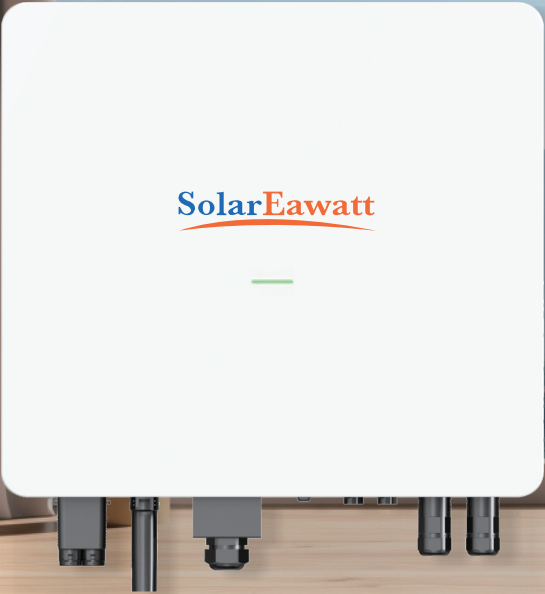


Hybrid | Single Phase | Low Voltage

3/3.6/4/4.6/5/6KW



Features <<<

 Sic technology
98% efficiency

 6 Units Parallel

 Max. input Current 18A
1.8 Times PV Array Input

 Ip65 Protection

 <10ms On/Off-grid
Switchover

 Natural Cooling
(noise<25dB)

>>> Hybrid | Single Phase | Low Voltage

Model Name	3000S	3600S	4000S	4600S	5000S	6000S
Off-grid Output						
Nominal OutputPower	3000w	3600W	4000w	4600W	5000W	6000W
Nominal Voltage	220V/230V/240V					
Nominal Frequency	50/60Hz					
Nominal Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Output THDu	<2%					
On-grid Parameter						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max.Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Nominal Grid Voltage	220V/230V/240V					
Max.Input Current from Grid	16.4A	22.7A		27.2A		
Grid Voltage Range	184-276V					
Frequency Range	45-65Hz					
PV Input						
Max.Input Power	6000Wp	7200Wp		8000Wp		9000Wp
Starting Voltage	95V					
Max.InputVoltage	600V					
MPPTVoltage Range	80-550V					
FullLoad MPPTVoltage Range	350-500V					
Number of MPPT	2					
Max.Input String Per MPPT	1					
Nominal Input Voltage	360V					
Max.Input Current	18A/18A					
BatteryParameter						
Battery Type	Lithium-ion/Lead-Acid(Optional)					
Nominal Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max.Charging Voltage	≤60V					
Max.Continuous Charging/Discharging Current	75A	85A		100A		
Efficiency						
Max.Efficiency	97.5%		97.8%		98.0%	
European Efficiency	97.2%		97.3%		97.5%	
Max.Battery Charging/ Discharging Efficiency	95.2%					
General Data						
Size(W*H*D)	500mm*470mm*180mm					
Weight	21kg					
Noise	<25dB(A)					
Operating Temperature Range	-25°C~+60°C					
Cooling Method	Natural Cooling					
Ingress ProtectionGrade	Ip65					
Mornitoring	LED/APP/WIFI/4G/Bluetooth					
CommunicationPort	RS485/CAN/DRED/Dry contact/Parallel port					
Protection	DC Switch; PV Insulation Resistance Detection; residual current monitoring; Anti-islanding protection; AC Short circuit protection; AC Overvoltage and overload protection; AC Overvoltage protection: LEVEL III; PV&Battery: LEVEL II; Surge protection; Lightning protection; Reverse polarity protection(PV&Battery)					
Certification						
CE_LVD	IEC62109-1,IEC62109-2,EN 62109-1,EN 62109-2,IEC62477-1					
CE EMC	EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4,EN 62920					
Grid	VDE-AR-N 4105,C10-11,G98/G99,CEI 0-21,EN50549,NRS 097-2-1,R25,UNE 217001 UNE 217002,NTS 2.1,PEA,MEA,NC RfG					