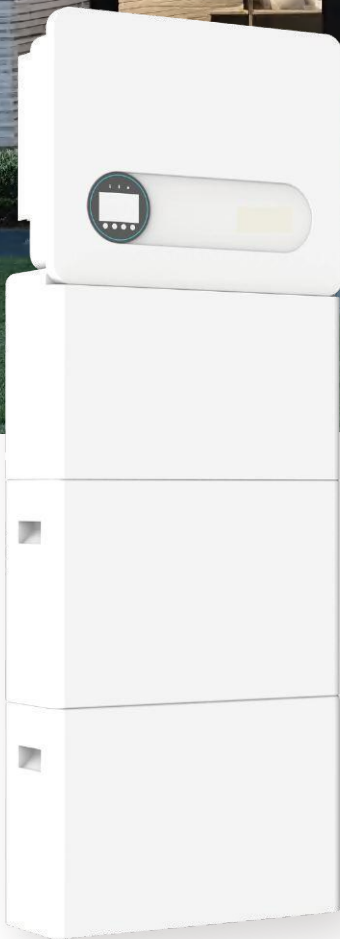


SWP 3/4/5/6 kW

Single-Phase Hybrid Unit (High-Voltage)



Inverter Model

SWP3000H-S1 | SWP4000H-S1
SWP5000H-S1 | SWP6000H-S1

Battery Model

SWBS5120-H1



All-in-one design



Stylish appearance



Built-in BMS management



Electrical isolation on the battery side

Model	SWP3000H-S1	SWP4000H-S1	SWP5000H-S1	SWP6000H-S1
Inverter				
Model	SWH3000H-S1	SWH4000H-S1	SWH5000H-S1	SWH6000H-S1
Recommended Max. PV Power [Wp]	4500	6000	7500	9000
Max. Input Voltage [V]	600			
MPPT Voltage Range [V]	80-560			
Rated Input Voltage [V]	360			
Start-up Voltage [V]	90			
No. of MPPT Trackers	1			2
No. of PV Strings per MPPT	1			1/1
Max. Input Current per MPPT [A]	14			14/14
Max. Short Circuit Current per MPPT [A]	18			18/18
Rated Output Voltage [V]	220 / 230 / 240			
Rated Grid Frequency [Hz]	50 / 60			
Rated Output Power [W]	3000	4000	5000	6000
Max. Apparent Output Power [VA]	3300	4400	5500	6600
Rated Output Voltage [V] (Backup)	220 / 230 / 240			
Rated Output Frequency [Hz] (Backup)	50 / 60			
Rated Output Power [W] (Backup)	3000	4000	5000	6000
Max. Output Apparent Power [VA] (Backup)	3300	4400	5500	6600
Rated Output Current [A] (Backup)	15	20	25	30
Peak Output Power, Duration [VA, s] (Backup)	4500,60	6000,60	7500,60	7500,60
Switch Time [ms]	<10			
Topology	Transformerless			
Dimensions (W*H*D) [mm]	575*435*190			
Weight [kg]	26			

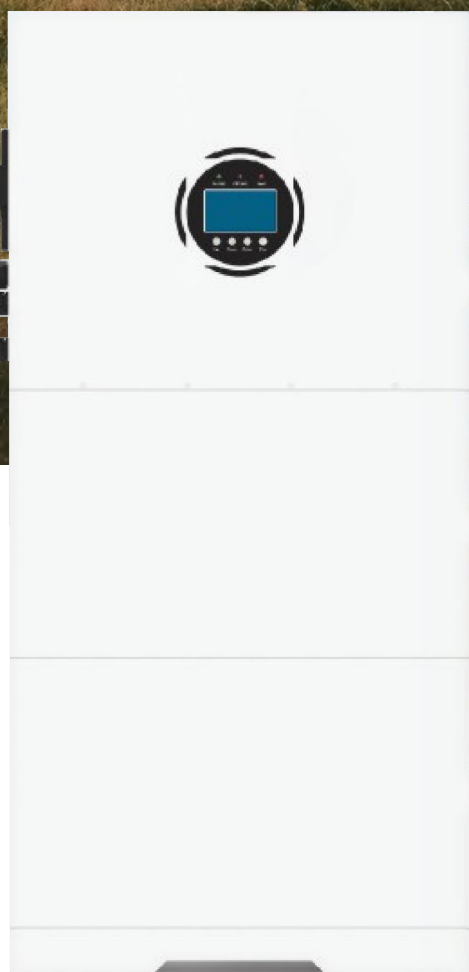
Battery	
Model	SWBS5120-H1
Battery type	Li-ion
Nominal Capacity [kWh]	5.12
Depth of Discharge	90%
Dimensions (W*H*D) [mm]	575*335*190
Weight [kg]	50
Safety Regulation	IEC62619、IEC62040-1、IEC63056、VDE2510、CE、CEC

System Parameters	
System Configuration	SWH3000~6000H-S1+N*SWBS5120-H1
Communication	CAN, GPRS/WIFI
Operating Temperature Range [°C]	-25~+60
Relative Humidity	0%~100%, Non-condensing
Operation Altitude [m]	≤2000
Cooling Concept	Natural Convection
Protection Level	IP66





AD3003-EO+PA03P/AD5005-EO+PA05P Off-grid Low Voltage Stacking All In One



All-In-One
(Inverter&battery)

Optional battery
moduel 2.5kw/5kw

Product Features



Off-grid PV inverter+ES,
all in one.
IP54 Protection Level



Up to 4 parallel
batteries can be
expanded by stacking



Slim body:The body
thickness is 200mm,
saving installation space



Complete protection:
Hardware and
software dual protection



Complete protection:Short,
Overcurrent,Overvoltage,
Overtemperature,etc

Technical Specification

All-in-One Parameters	AD3003-EO	AD5005-EO
PV input		
PV max input (Vdc)	500	500
MPPT voltage range (Vdc)	120~500	120~500
Maximum PV input current / MPPT(A)	25	25
Max PV input power (W)	4000	5500
Battery		
Max Input / Output Voltage (V)	28.2	56.4
Operating Voltage Range (V)	20~28.2	44~56.4
Standard Charge / Discharge Current (A)	50/50	50/50
Max Input / Output Power (W)	4000/4000	5000/5000
Battery Type	Li-ion(LFP)/Lead-acid	Li-ion(LFP)/Lead-acid
Off-Grid AC Output		
AC voltage (Vac)	220/230/240 (L+N+PE)	220/230/240 (L+N+PE)
Frequency (Hz)	50 /60(auto-adaptation)	50 /60(auto-adaptation)
Max. continuous current (A)	14A	21.7
Max. continuous Power (W)	3300	5000
Max AC apparent Power (VA)	3300	5000
Others		
Dimension (mm)	670*200*890	670*200*1000
Protective class	Class I	Class I
IP Code	IP54	IP54
Working temperature	-25 °C ~60 °C (derating45 °C)	-25 °C ~60 °C (derating45 °C)

Stacked Battery Pack Parameters	PA03P	PA05P
Battery Cell		
Cell Technology	Li-ion(LFP)	Li-ion(LFP)
Capacity (Ah)	106	106
Cell Quantity (pcs)	8	15
Battery Parameters		
Nominal Voltage (Vdc)	25.5	48
Rated Capacity (Ah)	106	106
Rated Energy (kwh)	2.7	5.09
Max Voltage (Vdc)	29.2	54.75
Max Charge Voltage (Vdc)	28.4	53.25
Discharge Cut-off Voltage (Vdc)	20	37.5
Standard Charge Current (A)	50	50
Max Charge Current (A)	100	100
Standard Discharge Current (A)	50	50
Max Discharge Current (A)	100	100
Others		
IP Code	IP54	IP54
Dimension (mm)	670*180*310	670*200*420
Communication	RS485/CAN	RS485/CAN
OperationTemperature (°C)	0~50	0~50
Storage Temperature (°C)	-20~60	-20~60
Humidity	<45%	<45%
Altitude(m)	<2000	<2000