



600W/800W/1000W - 1.25kWh/2.5kWh

ALL-IN-ONE

Single-phase Energy Storage System



User-friendly Scenario

Suitable for both on-grid and off-grid application
Support for both local LCD and remote APP control



Easy Plug-in

All-in-one design to make your home compact and aesthetic
Quick plug-in system, easy installation for everyone



Reliable Application

IP55 outdoor and indoor application
Low working temperature down to -15°C



Efficient System

PV system oversizing up to 2000W
6 work modes, 2 battery capacity choices



ALL-IN-ONE

600W/800W/1000W

1.25kWh/2.5kWh

Technical Datasheet

		ASW0600/ 1250A-S	ASW0800/ 1250A-S	ASW1000/ 1250A-S	ASW0600/ 2500A-S	ASW0800/ 2500A-S	ASW1000/ 2500A-S
PV input	Max. PV array power	2000 Wp	2000 Wp	2000 Wp	2000 Wp	2000 Wp	2000 Wp
	Max. input voltage	50V					
	MPP voltage range / rated input voltage	16V to 50V / 40V					
	Min. input voltage / start voltage	26V / 30vV					
	No. of independent MPPT trackers / strings per MPPT input	2/2	2/2	2/2	2/2	2/2	2/2
	Max. input current per MPP tracker	28A					
	Max. short-circuit current per MPP tracker	39A					
Battery input	Rated battery energy	1.3kWh			2.4kWh		
	Rated capacity	27 Ah			50Ah		
	Battery type	LifePO4					
AC output(On-grid)	Nominal AC voltage	220V / 230V / 240V					
	AC voltage range	154 V - 276 V					
	Rated AC grid frequency	50 Hz / 60 Hz					
	AC grid frequency range	45-55 Hz / 55-65 Hz					
	Rated apparent power	600 VA	800 VA	1000 VA	600 VA	800 VA	1000 VA
	Max. apparent power	600 VA	800 VA	1000 VA	600 VA	800 VA	1000 VA
	Rated grid output current (@230 V)	2.6 A	3.5 A	4.4 A	2.6 A	3.5 A	4.4 A
	Max. grid output current	2.8 A	3.8 A	4.8 A	2.8 A	3.8 A	4.8 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)					
AC output(Off-grid)	Rated grid voltage	220V / 230V / 240V					
	Rated grid frequency	50 Hz / 60 Hz					
	Max. input power from grid	1000 W					
	Max. input current from grid	4.8 A					
	Nominal output voltage	230V					
	Nominal output frequency	50 Hz / 60 Hz					
	Rated apparent power	1000 VA					
	Peak output apparent power	1600VA, 60 s					
	Rated output current (@230 V)	4.4A					
	Max. output current	4.8A					
	Output THDv (@ Linear load)	< 2 %					
	EPS model	Manual switch					
Efficiency	MPPT efficiency	99.9 %					
	Max. Battery to load efficiency	92.0 %					
General data	Power factor at rated power / adjustable range	1 / 0.8 leading to 0.8 lagging					
	Topology	Isolated					
	Dimensions (W / H / D)	600 / 400 / 310mm					
	Weight	30,5 kg			37,5 kg		
	Operating temperature range	-15 °C ... +45 °C					
	Cooling concept	Fan Cooling					
	Degree of protection (as per IEC 60529)	IP55					
	Max. relative humidity	95%					
	Max. operating altitude	3000 m					
	Features	User interface	LCD & App				
Zero-export interface		CT					
Internet communication interfaces		Wifi					
Certificates	Grid	VDE 4105 / EN 50549					
	Safety	IEC/EN 62109-1, IEC/EN 62109-2					
	EMC	IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3					
	Battery	IEC62619, UN 38.3					

Specifications are subject to change without advanced noticed.