

Single phase All-in-one hybrid energy storage system 400 to 1000 W

ASW A-S Series



Models:

ASW0400/1250A-S

ASW0400/2500A-S

ASW0600/1250A-S

ASW0600/2500A-S

ASW0800/1250A-S

ASW0800/2500A-S

ASW1000/1250A-S

ASW1000/2500A-S



Easy-to-install

- Easy to install for everybody
- Power into any single-phase socket
- Power from all same-phase sockets



Safe & Reliable

- Safe & Reliable low voltage system
- 5 years warranty + option for more years
- All-around protection with Battery Management System (BMS)



User-friendly

- User-friendly LCD display for settings & status
- Mobile App for remote setting & monitoring
- Low working temperature down to -15°C

Technical Datasheet

	ASW0400/ 1250A-S	ASW0600/ 1250A-S	ASW0800/ 1250A-S	ASW1000/ 1250A-S	ASW0400/ 2500A-S	ASW0600/ 2500A-S	ASW0800/ 2500A-S	ASW01000/ 2500A-S	
PV input	Max. PV array power	800 Wp	1600 Wp	1600 Wp	1600 Wp	800 Wp	1600 Wp	1600 Wp	
	Max. input voltage	50 V							
	MPP voltage range / rated input voltage	16 V to 50 V / 40 V							
	Min. input voltage / start voltage	26 V / 30 V							
	No. of independent MPPT trackers / strings per MPPT input	1 / 2	2 / 2	2 / 2	2 / 2	1 / 2	2 / 2	2 / 2	2 / 2
	Max. input current per MPP tracker	26 A							
	Max. short-circuit current per MPP tracker	39 A							
Battery input	Rated battery energy	1.3 kWh				2.4 kWh			
	Rated capacity	27 Ah				50 Ah			
	Battery type	LiFePO4							
AC output	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	400 VA	600 VA	800 VA	1000 VA	400 VA	600 VA	800 VA	1000 VA
	Max. apparent power	400 VA	600 VA	800 VA	1000 VA	400 VA	600 VA	800 VA	1000 VA
	Rated grid output Current (@230 V)	1.8 A	2.6 A	3.5 A	4.4 A	1.8 A	2.6 A	3.5 A	4.4 A
	Max. grid output current(@230 V)	1.8 A	2.6 A	3.5 A	4.4 A	1.8 A	2.6 A	3.5 A	4.4 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)							
AC input	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	4.4 A							
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	26 kg				38 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							
	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							

