

NEW



LOW VOLTAGE HYBRID INVERTER

ASG-6SL-ZL

ASG-8SL-ZL

KEY FEATURES



String current
up to 20A



60V start-up
voltage



Wide range of
MPPT voltage



Remote
diagnosis & update



<10ms
UPS-level
switching



24-hour
intelligent
energy
management



Easy setting
of smart
working modes



Smart load
dual output
interface

Input DC	
Max.input power	12kW
Max.input voltage	550V
Rated voltage	370V
Start-up voltage	60V
MPPT voltage range	90-450V
Max.input current	16A/16A
Max.short circuit current	20A/20A
MPPT number	2
Max. input strings number	2
Input Battery	
Battery type	Li-ion/Lead-acid
Battery Voltage Range	40-60V
Number of battery input channels	1
Max. charge / discharge current	190/190
Communication	CAN/RS485
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Output AC (Grid side)	
Rated output power	6kW
Max. apparent output power	6.6kVA
Max. rated current	26.1A
Max. output current	28.7A
Grid voltage range	160-300V
Rated grid voltage	1/N/PE,220V/230V
Rated grid frequency	50Hz/60Hz
Power Factor	>0.99 (0.8 leading ... 0.8 lagging)
THDi	<3%
Input AC (Grid side)	
Rated input power	6kW
Max. input power	9.2kVA
Max. apparent output power	9.2kVA
Max. input current	40A
Rated input voltage	1/N/PE,220V/230V
Rated input frequency	50Hz/60Hz
Output AC (Back-up)	
Rated output power	6kW
Max.output power	28.7A
Max. output current	2 times of rated power, 10 s
Back-up switch time	≤3ms
Rated output voltage	220V/230V
Rated frequency	50Hz/60Hz
THDv	<3%
Efficiency	
Max.efficiency	97.70%
EU efficiency	96.70%
BAT charged/discharged Max. efficiency	95.30% / 93.90%
MPPT Efficiency	99.80%
Protection	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over currentprotection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground Fault Monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
Battery reverse protection	No
AC Over voltage Protection	Yes
DC Over current Protection	Yes
I/V Curve scanning	/
24-hour load monitoring	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional
Antibackflow	Optional
LVRT	/
Parallel	Optional
General Data	
Dimensions (W*H*D)	350*560*237mm
Weight	25kg
Self consumption(night) (Rated voltage)	≤20W
Operating temperature range	-40 to +60°C
Cooling concept	Smart Fan Cooling
Max. operation altitude	4000m(Derating above 3000m)
Relative humidity	0~100%
Ingress protection	IP66
Topology Structure	Transformerless
Grid connection stadard	IEC 61727,IEC 62116,IEC 61683
Safety/EMC standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Type of DC terminal	MC4 connector
Battery connection type	Terminal
Type of AC terminal (Back-up)	Terminal
Type of AC terminal (Grid side)	Terminal
Display&Communication	
Display	LED+Bluetooth+APP(Optional:LCD)
Communication Interface	RS485 / CAN , Wi-Fi +Bluetooth, Optional:GPRS,LAN

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. AUXSOL reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.

ASG-8SL-ZL	
Input DC	
Max.input power	16kW
Max.input voltage	550V
Rated voltage	370V
Start-up voltage	60V
MPPT voltage range	90-450V
Max.input current	32A/32A
Max.short circuit current	40A/40A
MPPT number	2
Max. input strings number	4
Input Battery	
Battery type	Li-ion/Lead-acid
Battery Voltage Range	40-60V
Number of battery input channels	1
Max. charge / discharge current	190/190
Communication	CAN/RS485
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Output AC (Grid side)	
Rated output power	8kW
Max. apparent output power	8.8kVA
Max. rated current	34.8A
Max. output current	38.3A
Grid voltage range	160-300V
Rated grid voltage	1/N/PE,220V/230V
Rated grid frequency	50Hz/60Hz
Power Factor	>0.99 (0.8 leading ... 0.8 lagging)
THDi	<3%
Input AC (Grid side)	
Rated input power	8kW
Max. input power	11.5kVA
Max. apparent output power	11.5kVA
Max. input current	50A
Rated input voltage	1/N/PE,220V/230V
Rated input frequency	50Hz/60Hz
Output AC (Back-up)	
Rated output power	8kW
Max.output power	38.3A
Max. output current	2 times of rated power, 10 s
Back-up switch time	≤3ms
Rated output voltage	220V/230V
Rated frequency	50Hz/60Hz
THDv	<3%
Efficiency	
Max.efficiency	97.70%
EU efficiency	96.70%
BAT charged/discharged Max. efficiency	95.30% / 93.90%
MPPT Efficiency	99.80%
Protection	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over currentprotection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground Fault Monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
Battery reverse protection	No
AC Over voltage Protection	Yes
DC Over current Protection	Yes
I/V Curve scanning	/
24-hour load monitoring	Optional
Integrated AFCI (DC arc-fault circuit protection)	Optional
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