



SINGLE PHASE HYBRID INVERTER



ASG-3.6SL-ZH ASG-4SL-ZH ASG-4.6SL-ZH ASG-5SL-ZH ASG-6SL-ZH

-  String current up to 16A
-  Wide range of MPPT voltage
-  Remote diagnosis & update
-  UPS <10ms UPS-level switching
-  24^h 24-hour intelligent energy management
-  Max. IP66 protection

		ASG-3.6SL-ZH	ASG-4SL-ZH	ASG-4.6SL-ZH	ASG-5SL-ZH	ASG-6SL-ZH
Protection						
Integrated DC switch	Yes	Max input voltage	550V			
DC reverse polarity protection	Yes	Rated voltage	500V			
Anti-islanding protection	Yes	MPPT voltage range	10-550V			
Short circuit protection	Yes	Max input current	16A/16A			
Output over current protection	Yes	Max short circuit current	20A/20A			
DC surge protection	Type II	MPPT number	2			
AC surge protection	Type II	Max. input string number	2			
Insulation impedance detection	Yes	Maximum input power of a single MPPT	3.6kW	4.6kW	4.6kW	5.5kW
Ground fault monitoring	Yes	Battery				
Residual leakage current detection	Yes	Battery type	Li-ion			
Temperature protection	Yes	Rated battery voltage	250V			
Battery reverse protection	Yes	Battery voltage range	80V-480V			
AC Over voltage protection	Yes	Max. charge / discharge current	30A/30A			
DC Over current protection	Yes	Communication	CAN/RS485			
IV Curve scanning	Optional	Charging strategy for Li-ion battery	Self-adaptation to BMS			
24-hour load monitoring	Optional	Output AC (Grid side)				
Integrate AFCI (DC arc fault circuit protection)	Optional	Rated output power	3.6kW	4.6kW	4.6kW	5.5kW
Anti-backflow	Optional	Max. apparent output power	3.9kVA	4.4kVA	4.4kVA	5.2kVA
IGBT	Optional	Rated grid voltage	200V / 230V			
		Rated grid frequency	50Hz/60Hz			
		Max. output current	17.2A	19.1A	22A	23.9A
		Power Factor	>0.99 (0.8 leading ~0.8 lagging)			
		THDi	<2%			
General Data		Input AC (Grid side)				
Dimensions (W*H*D)	450*461*213mm	Max. input power	4.8kW	5.3kW	6.2kW	6.7kW
Weight	19kg	Max. input current	21A	23A	26.8A	29.1A
Self consumption (night) (Rated voltage)	<13W	Rated input voltage	1.6/1.9/2.2/2.3/2.5 V			
Operating temperature range	-30...+60 °C	Rated input frequency	50 Hz / 60 Hz			
Cooling concept	Natural Cooling	Output AC (Battery)				
Max. operation altitude	4000m (Derating above 3000m)	Rated output power	3.6kW	4.6kW	4.6kW	5.5kW
Relative humidity	0-100%	Max. apparent output power	4.3kVA	4.8kVA	5.5kVA	6.6kVA
Ingress protection	IP66	Max. output current	15.6A	17.4A	20A	21.7A
Topology structure	Transformerless	Back-up switch time	<10ms			
Grid connection standard	EN 50548-1, IEC 61737, IEC 62116, IEC 61683, UNE 217001, UNE 217002, NTS 431, PSE, FTFRB, NC, RIG	Rated output voltage	220/230V			
Safety EMC standard	IEC EN 62109-1/2, IEC EN 62471-1, EN IEC 61000-4-1/2/3/4, EN IEC 61000-3-11, EN 61000-3-12	Rated frequency	50 Hz / 60 Hz			
Type of DC terminal	MC4 connector	THDi	<2%			
Type of AC terminal	Quick connection plug	Efficiency				
Display&Communication		Max efficiency	97.8%			
Display	LED+Bluetooth+APP	EU efficiency	96.8%			
Communication interface	RS485, Optional WiFi 4G	BAT charged by PV Max. efficiency	97.2%			
		BAT charged/discharged to AC Max. efficiency	97.4%			
		MPPT Efficiency	99.8%			