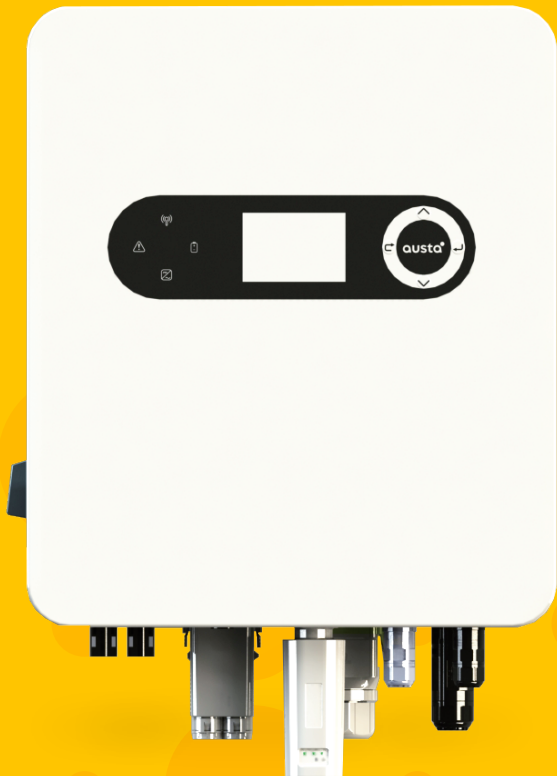


austa[®]



Hybrid Inverter-1phase

AU3/3.6/4/5/6KESL-G3



AC couple to retrofit existing solar system



200% Back-up Overload

**Max
18**

The maximum current of a single string module is 18A



Support dry contact starting generator



Up to 1.5 times input



Maximum 6 single-phase units parallel



Waterproof grade IP66



Dual back up output



Operation under only-PV Input Available



Power supply can be switched automatically and switching time within 10ms

Technical Specification

AU3KESL-G3 AU3.6KESL-G3 AU4KESL-G3 AU5KESL-G3 AU6KESL-G3

PV INPUT						
Max.DC Input Power [W]		4500	5400	6000	7500	9000
Max. DC Input Voltage [V]				500		
Start-Up Voltage [V]				125		
MPPT Voltage Range [V]				150-425		
Nominal Input Voltage [V]				370		
Max. Input Short-Circuit Current [A]		23		23+23		
Max. Operating PV Input Current [A]		18		18+18		
Number Of MPP Trackers		1		2		
Strings Per MPP Tracker		1		1+1		
AC INPUT/OUTPUT DATA						
Nominal AC Input/Output Power [W]		3000	3600	4000	5000	6000
Max. Input/Output Apparent Power [VA]		3300	3600	4400	5500	6600
Max. AC Input/Output Current [A]		26.1/14.3	31.3/16.0	34.8/19.1	43.5/23.9	43.5/28.7
Nominal AC Output Current [A]		13.0	16	17.4	21.7	26.1
Output Voltage [V]				220/230/240		
AC Input Voltage Range [V]				80-300		
Nominal Grid Frequency [Hz]				50/60		
THDi (Rated Power) [%]				<3		
Displacement Power Factor				0.8 leading~0.8 lagging		
BATTERY PARAMETERS						
Battery Type		Lead-acid or Lithium-ion				
Voltage Range [V]		40-60				
Max. Charge/Discharge Current [A]		75	90	100	120	135
Number of Battery Input		1				
Charging Strategy for Li-ion Battery		Self-adaption to BMS				
EQUIPMENT PROTECTION						
Integrated		DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection,AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection,DC Terminal Insulation Impedance Monitoring, Dc Component Monitoring, Ground Fault Current Monitoring,Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC input Switch Overvoltage Load Drop Protection, Residual Current Detection (RCD), Surge protection level,Groundfault circuit interrupter (GFCI)				
Surge Protection Leve		TYPE II(DC), TYPE II(AC)				
EPS (OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)						
Nominal Output Power [W]		3000	3600	4000	5000	6000
Peak Apparent Power [VA]		6000(20s)	7200(20s)	8000(20s)	10000(20s)	12000(20s)
Max.Continuous Current [A]		13	15.7	17.4	21.7	26.1
Continuous Voltage [V]				230		
Nominal Grid Frequency [Hz]				50/60		
Switch Time [ms]				<10		
Parallel Operation				Yes		
SYSTEM DATA						
Max. Efficiency [%]				97.6		
MPPT Efficiency [%]				>99		
Euro. Efficiency [%]				96.5		
Ingress Protection				IP66		
Operating Temperature Range [°C]				-40~+60 (Derating above +45)		
Max. Operating Altitude [m]				<3000		
Typical Noise Emission [dB]				<30		
Storage Temperature Range [°C]				-40~+65		
Over Voltage Category				OVC II(DC), OVC III(AC)		
Dimensions (W×H×D) [mm]				384*450*227		
Net Weight [kg]				18		
Cooling Type				Natural		
Communication Interfaces				RS485/CAN/WiFi/LAN&4G (Optional)		
AFCI Fault Protection				Optional		
STANDARD						
Safety Standard/EMC Standard		EN IEC 61000-6-3:2021	EN IEC 61000-6-2:2019	EN 61000-3-12:2011/A1:2024	EN IEC 61000-3-11:2019	
				IEC 62109-1:2010, IEC 62109-2:2011		
Grid-Connected Standard		EN 50549-1:2019+A1:2023	EN 50549-10:2022	EN 50549-1_A		
Compatible Batteries				Pylontech;Austa		

NINGBO AUSTA SOLAR TECH CO.,LTD.

Tel: +86 574 89137130 | Email: marketing@osdasol.com | Add: 3, F0005 No.77 Zhuangxing Road Jiangbei District Ningbo Zhejiang P.R. China