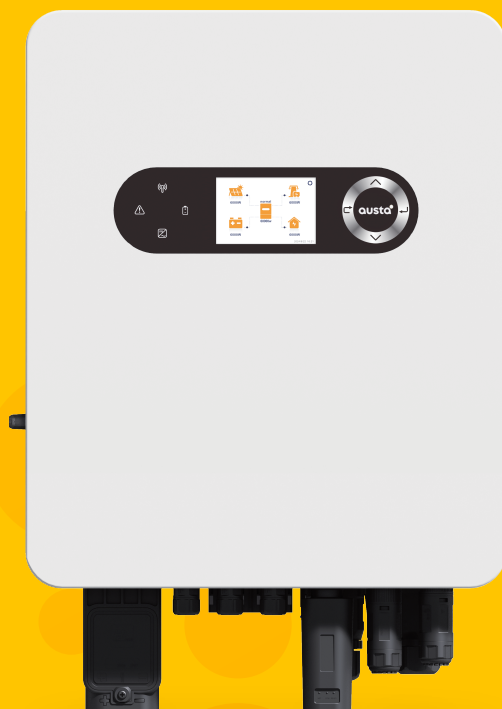




Hybrid Inverter-1phase

AU3/3.6/4/5/6/8KESL-G2



AC couple to retrofit existing solar system



110% overload output (1.3times $\leq$ 60s)

Max 18

The maximum current of a single string module is 18A



Support dry contact starting generator



Up to 2 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 -G2	AU3.6KESL -G2	AU4KESL -G2	AU5KESL -G2	AU6KESL -G2	AU8KESL -G2		
PV INPUT								
Max.DC Input Power [W]	4500	4800	6000	7500	9000	12000		
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				34+34	
Max. Operating PV Input Current [A]			18+18				28+28	
Number Of MPP Trackers			2					
Strings Per MPP Tracker			1+1				2+2	
AC INPUT/OUTPUT DATA								
Nominal AC Input/Output Power [W]	3000	3600	4000	5000	6000	8000		
Max. Input/Output Apparent Power [VA]	3300	3960	4400	5500	6600	8800		
Max. AC Input Current [A]	13.6	16.4	18.2	22.7	27.3	36.4		
Max. AC Output Current [A]	13	15.7	17.4	21.7	26.1	34.8		
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	190		
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 \$hort 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	8000		
Peak Apparent Power [VA]	6000	7200	8000	10000	12000	16000		
Max.Continuous Current [A]	13	15.7	17.4	21.7	26.1	34.8		
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]	505*420*236							
Net Weight [kg]	28.5							
Cooling Type	Intelligent Air Cooling							
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			
Grid-Connected Standard	IEC 62109-1:2010, IEC 62109-2:2011 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