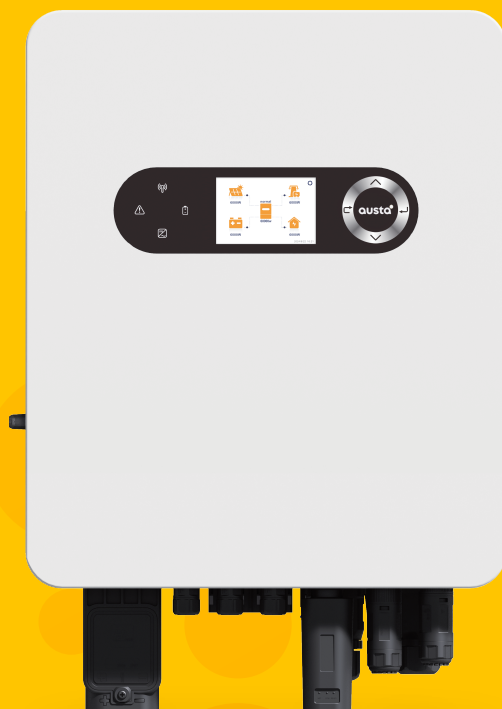




Hybrid Inverter-1phase

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 16 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			
Max. Operating PV Input Current [A]			18+18			
Number Of MPP Trackers			2			
Strings Per MPP Tracker			1+1			
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 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 Level	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]			<4000			
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			Natural Cooling			
Communication Interfaces			RS485/CAN/WiFi			
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, EN 62109-1:2010 IEC 62109-2:2011, EN 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