

MEGABRIGHT

SERIE DE INVERSORES HÍBRIDOS DE BAJO VOLTAJE

INVERSOR HÍBRIDO MONOFÁSICO

AU3-8KESL-G2



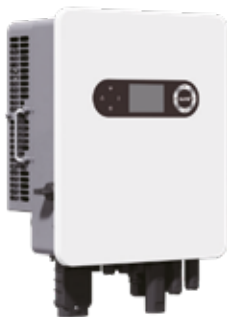
Acoplamiento en AC para adaptar sistemas solares existentes



Salida de respaldo dual



Interruptor de circuito contra fallas de arco



Protección IP66



Operación normal de paneles FV conectados únicamente



Sobredimensionamiento hasta 1.1 veces (1.3 veces \leq 60s)



Distorsión armónica $< 2\%$



Soporta conexión en paralelo



Panel fotovoltaico hasta 18 A soportan sobrecorriente en DC hasta 1.5 veces



Conmutación automática de la fuente de energía en menos de 10 ms



Compatible con protocolo SUNSPEC



Conmutación On-Grid / Off-Grid



Arranque de generador automático

Especificaciones técnicas

	AU3KESL -G2	AU3.6KESL -G2	AU4KESL -G2	AU5KESL -G2	AU6KESL -G2	AU8KESL -G2	AU10KESL -G2
SKU					100300585	100300585	
PV INPUT							
Max.DC Input Power [W]	4500	4800	6000	7500	9000	12000	15000
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	10000
Max. Input/Output Apparent Power [VA]	3300	3960	4400	5500	6600	8800	11000
Max. AC Input Current [A]	13.6	16.4	18.2	22.7	27.3	36.4	47.8
Max. AC Output Current [A]	13	15.7	17.4	21.7	26.1	34.8	43.5
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	210
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	10000
Peak Apparent Power [VA]	6000	7200	8000	10000	12000	16000	20000
Max.Continuous Current [A]	13	15.7	17.4	21.7	26.1	34.8	43.5
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						