

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



Interrupción 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



Conmutación
On-Grid / Off-Grid



Arranque de generador
automatico

AU3-8KESL-G2

Inversor Híbrido Monofásico - Serie de Bajo Voltaje

PRODUCTO A PEDIDO

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 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	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
Continous 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						
Comapatible Batteries		Pylontech;Austa						