

MEGABRIGHT

SERIE DE INVERSORES HÍBRIDOS DE BAJO VOLTAJE

INVERSOR HÍBRIDO TRIFÁSICO

AU8-12KETL



Interruptor de circuito contra fallas de arco



Soporta 1.1 veces salida trifásica desbalanceada



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



Protección IP66



Salida de respaldo dual



Salida con sobrecarga hasta 1.1 veces (1.3 veces \leq 60 s)



Soporta un máximo de 16 unidades trifásicas en paralelo



Hasta paneles de 18 A soportan sobrecarga de corriente continua hasta 1.5 veces

Especificaciones técnicas

	AU8KETL	AU10KETL	AU12KETL
PV INPUT			
Max. DC Input Power [W]	12000	15000	18000
Max. DC Input Voltage [V]		1000	
MPPT Operating Voltage Range [V]		200-800	
Starting Voltage [V]		150	
Max. Input Current [A]	18/18	36/18	36/18
Number Of MPP Trackers		2	
Strings Per MPP Tracker	1	2/1	2/1
AC OUTPUT_ GRID			
Rated Output Power [W]	8000	10000	12000
Max. Output Apparent Power [VA]	8800	11000	13200
Rated Output Voltage [V]		400	
Rated Output Frequency [Hz]		50/60	
Max. Output Current [A]	13.3	16.7	20
Output Power Factor		-0.8 leading~+0.8 lagging	
AC OUTPUT _ TWO BACKUP			
Max. Output Power [W]	8000	10000	12000
Max. Output Apparent Power [V,sec]	16000,15	20000,15	24000,15
Rated Output Voltage [V]		400(±2%)	
Rated Output Frequency [Hz]		50/60	
Backup1 Max. Output Power [W]	8000	10000	12000
Backup2 Max. Output Power [W]	8000	10000	12000
Output Power Factor (off grid)		-0.8 leading~+0.8 lagging	
Output Current Harmonic Distortion		THD<3%(Nonlinear load); THD<1.5%(Linear load)	
Max. Output Current [A]	13.3	16.7	20
EFFICIENCY			
		98%	
		94.5%	
		97.5%	
BATTERY PARAMETERS			
Battery Type		Lithium or lead acid battery	
Voltage Range [V]		44-60	
Rated Battery Voltage [V]		48	
Max. Charge/Discharge Current [A]	190	210	240
BMS Communication		CAN/RS485	
PROTECTION			
Integrated	DC Reverse-Polarity Protection, Short Circuit Protection, Output Over Current Protection, Output Over Voltage Protection, Insulation Resistance Monitoring, Residual Current Detection, Surge Protection, Grid Monitoring, Islanding Protection, Temperature Protection, Integrated DC Switch		
OTHER PARAMETERS			
Operating Temperature Range [°C]		-25~+60	
Storage Temperature Range [°C]		-30~+65	
Humidity Range		0~95%	
Operating Altitude [m]			
Ingress Protection		IP66	
Topology		HF isolation (Battery side)	
Noise [dB]		<25	
Communication		RS485/CAN/WiFi/Ethernet/4G	
Cooling Method		Natural	
Size (W×H×D) [mm]		475*683*256	
Weight [Kg]		38	
Loading data [pc]		384/40HQ 140/20GP	
Warranty		5 years	
STANDARD			
EMC Standard	EN IEC 61000-6-1:2019; IEC 61000-6-1:2016; EN IEC 61000-6-3:2021; EN 61000-6-3:2007/A1:2011; IEC 61000-6-3:2020; EN IEC 61000-3-2:2019+A1:2021; IEC 61000-3-2:2018/AMD1:2020; EN 61000-3-12:2011; IEC 61000-3-12:2011+AMD1:2021 EN IEC 61000-3-11:2019; IEC 61000-3-11:2017; EN 61000-3-3:2013/A2:2021; IEC 61000-3-3:2013/AMD2:2021		
Applied Standard	EN 50549-1:2019 + A1:2023; IEC 61727:2004; IEC 62116:2014; IEC 61683:1999; IEC 62109-1:2010, EN 62109-1:2010; IEC 62109-2:2011, EN 62109-2:2011		
Other Standard	NC RfG; PSE,2018-12-18; PTPIREE,2021-04-28		