



Hybrid Inverter-3phase

AU8/10/12KETL



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



UPS switch
over time $< 10\text{ms}$

Max
18

The maximum current of
a single string module is 10A



Support dry contact
starting generator



Support 110% three-phase
unbalanced output



Supports a maximum of
16 single-phase units



Waterproof grade IP66



Dual back up output



Normal operation of
only-connection PV panels

Technical Specification

	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 [V]	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			
Full 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 (±0.2%)	
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			
Max. Efficiency (PV)		98%	
Max. Efficiency (Battery)		94.5%	
Euro. Efficiency		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			
DC Reverse-Polarity Protection		Yes	
Short Circuit Protection		Yes	
Output Over Current Protection		Yes	
Output Over Voltage Protection		Yes	
Insulation Resistance Monitoring		Yes	
Residual Current Detection		Yes	
Surge Protection		Yes	
Grid Monitoring		Yes	
Islanding Protection		Yes	
Temperature Protection		Yes	
Integrated DC Switch		Yes	
OTHER PARAMETERS			
Operating Temperature Range [°C]		-25~+60	
Storage Temperature Range [°C]		-30~+65	
Humidity Range		0~95%	
Operating Altitude [m]		≤4000	
Ingress Protection		IP66	
Topology		HF isolation (Battery side)	
Noise [dB]		<25	
Communication		RS485/CAN/WiFi/Ethemnet/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			
EN62109-1/2,IEC62109-1/2 ,EMC61000,EN50549, IEC61727,IEC62116,IEC61683,VDE 4105/0124			