

# austa<sup>o</sup>



## Hybrid Inverter-1phase

AU3/3.6/4/4.6/5/6/8KESL



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



UPS switch  
over time < 10ms

**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

	AU3KETL	AU3.6KETL	AU4KETL	AU4.6KETL	AU5KETL	AU6KETL	AU8KETL
<b>PV INPUT</b>							
Max.DC Input power [W]	4500	5400	6000	6900	7500	9000	12000
Max. DC Input Voltage [V]				500			
MPPT Operating Voltage Range [V]				150-450			
Starting Voltage [V]				125			
Max. Input Current [A]	18			18/18			30/18
Max. Short Circuit Current [A]	22.5			22.5/22.5			37.5/22.5
Number Of MPP Trackers	1			2			2/1
Strings Per MPP Tracker				1			
<b>AC OUTPUT _ GRID</b>							
Rated Output Power [W]	3000	3600	4000	4600	5000	6000	8000
Max. Output Apparent Power [V]	3300	3960	4400	5060	5500	6600	8800
Rated Output Voltage [V]				230			
Rated Output Frequency [Hz]				50/60			
Max. Output Current [A]	15	18	20	22	25	27	40
THDi				< 3%			
Output Power Factor				-0.8 leading~+0.8 lagging			
<b>AC OUTPUT _ TWO BACKUP</b>							
Full Max. Output Power [W]	3000	3600	4000	4600	5000	6000	8000
Max. Output Apparent Power [V,sec]	6000,15	7200,15	8000,15	9200,15	10000,15	10000,15	16000,15
Rated Output Voltage [V]				220/230			
Rated Output Frequency [Hz]				50/60 (±0.2%)			
Backup1 Max. Output Power [W]	3000	3600	4000	4600	5000	6000	8000
Backup2 Max. Output Power [W]	3000	3600	4000	4600	5000	6000	8000
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]	14	16	18	21	23	27	40
<b>BATTERY PARAMETERS</b>							
Battery Type				Lithium or lead acid battery			
Voltage Range [V]				44-57			
Rated Battery Voltage [V]				48			
Max. Charge/Discharge Current [A]	75	90	100	110	120	120	190
BMS Communication				CAN/RS485			
<b>EFFICIENCY</b>							
Max. Efficiency(PV)				97.6%			
Max. Efficiency(cell)				94.5%			
Euro. Efficiency				97%			
<b>PROTECTION</b>							
PV Input Reverse Polarity Protection				Yes			
PV Insulation Resistance Detection				Yes			
Residual Current Detection				Yes			
Output Over Current Protection				Yes			
Output Short Circuit Protection				Yes			
Output Over Voltage Protection				Yes			
<b>OTHER PARAMETERS</b>							
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/Ethernet/4G			
Cooling Method				Natural			
Size (W×H×D) [mm]				424*555*197			427*554*198
Weight [Kg]				19			
Loading data [pc]				384/40HQ 140/20GP			
Warranty				5 years			
<b>STANDARD</b>							
EN62109-1/2,IEC62109-1/2 ,EMC61000,EN50549, IEC61727,IEC62116,IEC61683,VDE 4105/0124							