

Three-Phase Residential Hybrid Inverter



Hybrid Inverter 6-12 kW

AE6K-H-T, AE8K-H-T, AE10K-H-T, AE12K-H-T



Up to 150%
PV input



Load monitoring
accuracy 10W.



110% 3-Phase
uninterrupted output



Off-grid 1.5 times
overload operation



Anti-back flow
function



Remote
upgrade



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HYBRID INVERTER	AE6K-H-T	AE8K-H-T	AE10K-H-T	AE12K-H-T
IP rating	IP65			
Cooling	Natural cooling			
Warranty	5 years			
Coupling	Hybrid			
Max. PV Input Power (kW)	15			
Max. DC Voltage (V)	1000			
MPPT Voltage Range (V)	180~950			
Max. DC Current (A)	15+15			
Max. Charge/Discharge Power (kW)	6/6	8/8	10/10	12/12
Rated Battery Voltage (V)	200	266	333	400
Battery Voltage Range (V)	120~875			
Max. Battery Charge/Discharge Current (A)	30/30			
Rated Grid Voltage (V)	3L/ N/ PE, 220/ 380, 230/ 400			
Rated Current (A)	9.2/8.7	12.2/11.6	15.2/14.5	18.2/17.4
Rated Grid Frequency (Hz)	50/60			
Rated Grid Input Active Power (kW)	9	12	15	18
Max. Grid Input Current (A)	13.6	18.2	22.7	27.2
Rated Grid Output Active Power (kW)	6	8	10	12
Rated EPS Output Apparent Power (kVA)	6	8	10	12
Max. EPS Output Current (A)	10.1	13.5	16.8	20.1
Max. Efficiency	97.6%			
Power Factor Range	0.8ind-0.8cap			
THD	<3%			
Operating Temperature Range	-25-60°C (>45°C Derating)			
Communication Interface	WIFI\RS485			
Product Dimension (W × H × D) / Weight	550×575×240 mm / 29 kg			
Certification Standards	Safety: IEC62109-1, IEC62109-2, EMC: IEC61000-6-1, IEC61000-6-3			
Certificate	TUV CE			
Grid-Connection Standards	Germany: VDE-AR-N 4105/11.18, Europe: EN 50549-1:2019, EN 50549-10:2022 South Africa: NRS 097-2-1:2017 Ed.2.1, Sweden: EIFS 2018:2			