

AU8-24KETL THREE-PHASE HYBRID INVERTER

High Performance

- Max. efficiency up to 98.0%
- 180 V startup voltage
- Supports 150% three-phase unbalanced output

System Reliability

- SiC technology with full aluminum housing
- IP66 protection
- Max. 500A charge/discharge current
- 200% overload for 10 seconds

Flexible System Design

- Up to 6 units in parallel
- Supports AC coupling
- Supports 3 battery inputs



6
Up to units
in parallel



IP66
Ingress
protection



20A PV
Max
input Current



>415A
Max charge/
discharge current

AU8KETL AU10KETL AU12KETL AU15KETL AU18KETL AU20KETL AU24KETL

PV INPUT								
Max. PV Array Power	[kW]	16	20	24	30	36	40	48
Max. DC Voltage	[V]	1000						
MPPT Voltage Range	[V]	150~950						
Start-up Voltage	[V]	180						
Max. Input Current	[A]	4*20						
Isc PV (Absolute Maximum)	[A]	4*30						
No. of MPPT Tracker / Strings		2/2+2						
(GRID)INPUT/OUTPUT INVERTER								
Rated Power	[kW]	8/8	10/10	12/12	15/15	18/18	20/20	24/24
Rated Voltage	[V]	380/400, 3W+N+PE						
Rated Frequency	[Hz]	50/60						
Power Factor Range	[ms]	0.8 leading ~ 0.8 lagging						
Switch Time		< 20						
Current (Maximum/Continuous)	[A]	24/12	29/15	35/17	43/22	52/26	58/29	60/35
Max. Output Overcurrent Protection	[V/A]	400/100						
BATTERY								
Battery Type		Lithium / Lead-acid						
Battery Voltage Range	[V]	40~60						
Rated Battery Voltage	[V]	51.2				48		
Max. Charge Current	[A]	180A d.c	220A d.c	250A d.c	315A d.c	375A d.c	390A d.c	415A d.c
Max. Discharge Current	[A]	180A d.c	220A d.c	250A d.c	315A d.c	375A d.c	390A d.c	415A d.c
AC OUTPUT (EPS)								
EPS Rated Output Voltage	[V]	380/400, 3W+N+PE						
EPS Rated Output Frequency	[Hz]	50/60						
EPS Rated Output Active Power	[kW]	8	10	12	15	18	20	24
EPS Rated Output Apparent Power	[kVA]	8	10	12	15	18	20	24
EPS Rated Output Current	[A]	12	15	17	22	26	29	35
Overload Capacity (Off Grid)		110% 600s / 120% 300s / 150% 60s / 200% 10s						
EFFICIENCY								
MPPT Efficiency	[%]	99.9						
Euro-Efficiency	[%]	97.00				97.20		
Max. Efficiency	[%]	97.50				98.00		
PROTECTION & FEATURE								
Insulation Monitoring		Yes						
Residual Current Monitoring		Yes						
Parallel Function		Yes						
Protection Degree		IP66						
Certifications		IEC 62109-1/2, IEC 62477-1, IEC 61000-6-1, IEC 61000-6-3, EN 50549-1&-10, NRS 097-2-1, IEC 61727, IEC 61683, IEC 62116						
Other Protection		Output over voltage, Output over current, Short circuit, Surge, Temperature, Anti-Islanding						
GENERAL PARAMETER								
Storage Temperature		-25~+60						
Operating Temperature		-25℃~+60℃ (Linely derating to 60% when exceed +45℃~+60℃)						
Humidity		0~95(Non-condensing)						
Altitude		4000						
Noise		<65				<75		
Machine Dimension(WHD)		448*660*265						
Machine Weight / N.W.		45				48		
Display		LCD + APP						
Interface		RS485 / Wi-Fi/ CAN / DRM (Optional: Bluetooth / LAN / Meter)						