



Safe & Reliable

- High reliability due to good heat dissipation design
- IP65, wider working temperature and altitude, adapt to various installation environments
- Integrated lightening protection for both DC and AC
- Adapt to complex power grid
- High anti-corrosion ability with aluminum alloy die casting technology



High Revenue

- High yield with Max.98.6% efficiency
- European weighted efficiency 98.2%
- Longer working hours due to the lower start-up voltage and wider MPPT range
- Up to 10% continuous output overloading capacity
- Dual MPPT design with precise MPPT algorithm
- Standard 5 years warranty, extendable to 10 or 15 years



Easy to use

- Compact elegant design, less than 25kg, easy for installation
- Support wireless and wired internet connection (RS485, Wi-Fi/GPRS/LAN optional)
- Remote upgrading available
- Intelligent positioning abnormal string with integrated I/V scan function



MAX 98.6% EFFICIENCY

IP65 PROTECTION



Aarusha

AARUSHA THREE PHASE WITH DUAL MPPT
ASEL-6K/ 8K/ 10K/ 12K/ 15K/ 17K/ 20K/ 25KT L



Aarusha

TECHNICAL PARAMETERS

THREE PHASE:ASEL-6K/8K/10K/12K/15K/17K/20K/25KTL

Input	ASEL-6KTL	ASEL-8KTL	ASEL-10KTL	ASEL-12KTL	ASEL-15KTL	ASEL-17KTL	ASEL-20KTL	ASEL-25KTL
Max. Input Power (W)	7,800	10,400	13,000	15,600	19,500	22,100	26,000	32,500
Start-up Voltage (V)	200	200	200	200	200	200	200	200
Max. DC Input Voltage (V)	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Rated DC Input Voltage (V)	620	620	620	620	620	620	620	620
MPPT Voltage Range (V)	200-950	200-950	200-950	200-950	200-950	200-950	200-950	200-950
Full Power MPPT Voltage Range (V)	280-850	370-850	470-850	560-850	470-850	400-850	470-850	585-850
No. of MPP Trackers	2	2	2	2	2	2	2	2
No. of DC Inputs per MPPT	1/1	1/1	1/1	1/1	1/2	2/2	2/2	2/2
Max. Input Current (A)	11/11	11/11	11/11	11/11	11/22	22/22	22/22	22/22
Max. Short-circuit Current (A)	15/15	15/15	15/15	15/15	15/30	30/30	30/30	30/30

Output

Rated Output Power (W)	6,000	8,000	10,000	12,000	15,000	17,000	20,000	25,000
Max. Output Power (W)	6,600	8,800	11,000	13,200	16,500	18,700	22,000	25,000
Max. Apparent Power (VA)	6,600	8,800	11,000	13,200	16,500	18,700	22,000	25,000
Rated Output Voltage (V)	3 / N / PE, 230/400V							
Rated AC Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	10	13.3	16.5	20	25	28.4	31.9	39
Power Factor	0.8 leading ...0.8 lagging							
Max. Total Harmonic Distortion	<3% @Rated Output Power							
DCI	<0.5%In							

Efficiency

Max. Efficiency	98.3%	98.3%	98.6%	98.6%	98.6%	98.6%	98.6%	98.6%
European Efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Protection

DC Reverse Polarity Protection	Integrated
Insulation Resistance Protection	Integrated
DC Switch	Integrated
Surge Protection	Integrated (Type II)
Over-temperature Protection	Integrated
Residual Current Protection	Integrated
Anti-islanding Protection	Integrated
AC Short-circuit Protection	Integrated
AC Over-voltage Protection	Integrated

General Data

Dimensions (mm)	550W*410H*175D	
Weight (KG)	22	25
Protection Degree	IP65	
Self-consumption at Night (W)	<1	
Topology	Transformer-less	
Operating Temperature Range (°C)	-30~60	
Relative Humidity	0~100%	
Operating Altitude (m)	3000	
Cooling	Natural Convection	Smart Fan Cooling
Noise Level (dB)	<25	<40
Display	OLED & LED	
Communication	RS485, WiFi/GPRS/LAN(Optional)	
Compliance	IEC62109, IEC62116, IEC61727, IEC60068, IEC61683, EN50549, EN61000	