

AR3KSI-D/AR3.68KSI AR4KSI/AR4.6KSI/AR5KSI/AR6KSI

ARES
Since 1988



- Compact and light weight
- Contemporary design
- Unmatched power density
- High efficiency 98.4% (high efficiency model)

- Wide MPPT range 90 ~ 550 V
- Industrial-grade high quality components
- IP65 waterproof and dustproof
- Intelligent Monitoring via smart phone

Technical Data

MODEL	AR3KSI-D	AR3.68KSI	AR4KSI	AR4.6KSI	AR5KSI	AR6KSI
INPUT (DC)						
Max. input power	3900 W	4800 W	5200 W	6000 W	6500 W	7800 W
Max. input voltage	600 V					
Start-up voltage	120 V					
MPPT voltage range	90 – 550 V					
Rated input voltage	360 V					
MPPT voltage range at full load	150 – 480 V	200 – 480 V	200 – 480 V	230 – 480 V	250 – 480 V	300 – 480 V
Max. input current	11 A × 2					
Max. short circuit current	12 A × 2					
Number of MPPTs	2					
OUTPUT (AC)						
Max. output power	3000 W	3680 W	4000 W	4600 W	4900 W (AUS) 5000 W (EUR)	6000 W
Max. output current	13 A	16 A	17.4 A	20 A	21.3 A (AUS) 21.8 A (EUR)	26.1 A
Rated grid voltage	Single phase 230 Vac					
Grid voltage range	180 – 280 Vac					
Rated grid frequency	50 / 60 Hz					
Grid frequency range	45 – 55 Hz / 55 – 65 Hz					
THD	< 3% (rated output power)					
DC component	< 0.5% × rated output current					
Power factor	> 0.99 (rated output power)					
Power factor adjustable	0.8 leading ~ 0.8 lagging					
EFFICIENCY						
Max. efficiency	97.8%					
European efficiency	97.3%					
OTHERS						
Protections	Islanding protection, output short-circuit protection, leakage current protection, DC reverse polarity protection, DC input impedance detection, DC switch					
Communications	RS485, Wi-Fi/Ethernet (optional), GPRS (optional)					
Display	LED indicators					
Self-consumption at night	< 0.5 W					
IP rating	IP 65					
Cooling	Natural cooling					
Installation method	Wall-mounted					
DC wiring terminal	MC4					
AC wiring terminal	Plug and play					
Standards	IEC/EN 62109-1, IEC/EN 62109-2, VDE 0126-1-1, VDE AR-N-4105, AS/NZS 4777.2, CEI 0-21, EN 50438, IEC 61683, IEC 61727, IEC 62116, ABNT NBR 16149, ABNT NBR 16150					
Operating temperature	-25°C ~ +60°C (> 45°C downgrading)					
Relative humidity	0% ~ 100% (non-condensing)					
Altitude	4000 m (> 2000 m downgrading)					
Noise	< 40 dB					
Dimensions (W × D × H) (mm)	370 × 126.5 × 420					
Packaged dimensions (W × D × H) (mm)	440 × 205 × 490					
Net weight (kg)	10.9					
Gross weight (kg)	12.5					

Disclaimer:

- These data in this document are tested under specified conditions. It may result in difference between actual results and these data due to some uncertain factors. The statement about this product is for reference only. It makes no representation or warranty.
- All specifications are subject to change without notice.