



## AR3KSI/AR3.68KSI/AR4KSI AR4.6KSI/AR5KSI/AR6KSI/AR7KSI



- 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

MODEL	AR3KSI	AR3.68KSI	AR4KSI	AR4.6KSI	AR5KSI	AR6KSI	AR7KSI
<strong>INPUT (DC)</strong>							
Max. input power	3900 W	4800 W	5200 W	6000 W	6500 W	7800 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	350 – 480 V
Max. input current				11 A × 2			
Max. short circuit current				12 A × 2			
Number of MPPTs				2			
<strong>OUTPUT (AC)</strong>							
Max. output power	3000 W	3680 W	4000 W	4600 W	4900 W (AUS) 5000 W (EUR)	6000 W	7000 W
Max. output current	13 A	16 A	17.4 A	20 A	21.3 A (AUS) 21.8 A (EUR)	26.1 A	30.5 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			
<strong>EFFICIENCY</strong>							
Max. efficiency				97.8%			
European efficiency				97.3%			
<strong>OTHERS</strong>							
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						

• The AC voltage and frequency range may vary depending on specific country grid.

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.