

AP3KSI-D / AP3.68KSI/ AP4KSI/ AP4.6KSI/ AP5KSI/ AP6KSI/ AP7KSI

- 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	AP3KSI	AP3.68KSI	AP4KSI	AP4.6KSI	AP5KSI	AP6KSI	AP7KSI
INPUT (DC)							
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	120 - 480 V	140 - 480 V	150 - 480 V	180 - 480 V	190 - 480 V	230 - 480 V	270 - 480 V
Max. input current	15 A x 2						
Max. short circuit current	20 A x 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	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% x 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.