

Model	S-7KW-3P	S-8KW-3P	S-9KW-3P	S-10KW-3P	S-11KW-3P*
Input					
Max. Input Power (W)	11,200	12,800	14,400	16,000	16,000
Start-up Voltage (V)	80	80	80	80	80
Max. DC Input Voltage (V)	600	600	600	600	600
Rated DC Input Voltage (V)	360	360	360	360	360
MPPT Voltage Range (V)	80~550	80~550	80~550	80~550	80~550
Number of MPP Trackers	2	2	2	2	2
Number of DC Inputs per MPPT	1/2	1/2	1/2	1/2	1/2
Max. Input Current (A)	15/30	15/30	15/30	15/30	15/30
Max. Short-circuit Current (A)	20/40	20/40	20/40	20/40	20/40
Output					
Rated Output Power (W)	7,000	8,000	9,000	10,000	11,000
Max. Output Power (W)	7,700	8,800	9,900	11,000	11,000
AC output rated apparent power (VA)	7,000	8,000	9,000	10,000	11,000
Max. Apparent Power (VA)	7,700	8,800	9,900	11,000	11,000
Rated Output Voltage (V)	220/230				
Rated AC Frequency (Hz)	50/60				
AC output rated current (A)	30.4	34.8	39.1	43.5	47.8
Max. Output Current (A)	33.5	38.3	43	47.8	47.8
Power Factor	0.8 leading ...0.8 lagging				
Max. total harmonic distortion	<3% @Rated Output Power				
DCI	< 0.5%In				
Efficiency					
Max. Efficiency	98.1%	98.1%	98.1%	98.1%	98.1%
European Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
Protection					
DC Reverse Polarity Protection	Integrated				
Insulation Resistance Protection	Integrated				
DC Switch	Optional				
Surge Protection	Integrated				
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)	24	26			
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)	4000 (depreciativo@>3000)				
Cooling	Natural Convection		Smart Fan Cooling		
Noise Level (dB)	< 25		< 40		
Display	OLED & LED				
Communication	RS485/WiFi/GPRS/LAN (Optional)				
Compliance	NB/T32004, IEC62109, IEC62116, VDE4105, VDE0126, UTE C15-712-1, AS4777, C10/11, CEI0-21, RD1699, NBR16149, IEC61727, IEC60068, IEC61683, EN50549, EN61000				

*: S- 11KW-3P available for Brazil only.