

TECHNICAL PARAMETERS

THREE PHASE:S-30~50KTG

Model	S-29.9KTG	S-30KTG	S-33KTG	S-36KTG	S-40KTG	S-45KTG	S-50KTG	S-40KTG-HV	S-50KTG-HV	
Input										
Max. Input Power (W)	47,840	48,000	52,800	57,600	64,000	72,000	80,000	64,000	80,000	
Start-up Voltage (V)	180	180	180	180	180	180	180	180	180	
Max. DC Input Voltage (V)	1,100	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	620	
MPPT Voltage Range (V)	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000	
No. of MPP Trackers	4	4	4	4	4	4	4	4	4	
No. of DC Inputs per MPPT	2	2	2	2	2	2	2	2	2	
Max. Input Current (A)	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	26/26/26/26	
Max. Short-circuit Current (A)	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	40/40/40/40	
Output										
Rated Output Power (W)	29,900	30,000	33,000	36,000	40,000	45,000	50,000	40,000	50,000	
Max. Output Power (W)	29,900	33,000	36,300	39,600	44,000	49,500	55,000	44,000	55,000	
AC output rated apparent power(VA)	29,900	30,000	33,000	36,000	40,000	45,000	50,000	40,000	50,000	
Max. Apparent Power (VA)	29,900	33,000	36,300	39,600	44,000	49,500	55,000	44,000	55,000	
Rated Output Voltage (V)	3 L / N / PE, 380 / 400V					3 L / PE, 480V				
Rated AC Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	
AC output rated current (A)	43.3	43.5	47.8	52.2	58.0	65.2	72.5	48.1	60.2	
Max. Output Current (A)	43.3	47.8	52.6	57.4	63.8	71.7	79.7	52.9	66.2	
Power Factor	0.8 leading ...0.8 lagging									
Max. total harmonic distortion	<3% @Rated Output Power									
DCI	<0.5%In									
Efficiency										
Max. Efficiency	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	98.8%	
European Efficiency	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	
MPPT Efficiency	99.9%	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									
Over-temperature Protection	Integrated									
Residual Current Protection	Integrated									
Islanding protection	Frequency shift, Integrated									
AC Short-circuit Protection	Integrated									
AC Over-voltage Protection	Integrated									
General Data										
Dimensions (mm)	600*400*270									
Weight (kg)	42									
Protection Degree	IP66									
Self-consumption at Night (W)	<1									
Topology	Transformerless									
Operating Temperature Range (° C)	-30~60									
Relative Humidity (%)	0~100									
Operating Altitude (m)	4000 (derating@ > 3000)									
Cooling	Fan Cooling									
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									