SBEON | Haier Energy

PV String Inverter

HS3P-100/110/125K-S



TECHNICAL SPECIFICATIONS

Model	HS3P-180K-S	HS3P-110K-S	HS3P-125K-S
Input(DC)			
Max. Input Voltage	1100V		
Min. Input Voltage/Start-up voltage	200/250V		
Rated Input Voltage	620V		
Operated Voltage Range	200-1000V		
No. of MPPTe/its of strings per MPPT	4/4	5/4	5/4
Max.Input Current per MPPT	66A	66A	64A
Max.Short.chout Current per MPPT	100A	100A	100A
Output(AC)			
Rated Output Power	100kW	110kW	125kW
Max.Output Power	110kW	121kW	137.5kW
Max.Output Apparent Power	110kVA	121kVA	137.5kVA
Max.Output Current	159.4A	175.4A	199.3A
Way of Grid Connection	TN/TT/IT		
Rated Output Voltage	3/N/PE 230/400V		
Frequency Range	45-55Hz		
Power Factor	≥ 0.99		
Adjustable Power Factor	± 0.8 adjustable		
Max. Total Harmonic Detistion	≤ 3 %		
Efficiency			
Max efficiency	98.90%	99.00%	98.00%
Eu Efficiency	98.50%	98.50%	98.50%
Protection			
Input reverse protection	yes		
Input DC switch	yes		
Insulation impedance testing	yes		
Output chart circuit protection	yes		
Leakage current protection	yes		
String detection	yes		
Anti-island protection	yes		
Grid monitoring	yes		
Intelligent string breaking	yes		
DC surge protection	yes		
AG surge protection	yes		
PID recovery	yes		
AFCI	yes		
DC ground protection	yes		
Temperature detection of AC/DC terminals	AC standard,DC optional		
IV Corve Scanning&Diagnosis	yes		
General Parameter			
Size (width / height / thickness) mm	1022*750*362mm		
Weight	75kg		
Operating temperatur range	-25 - 60 ℃		
Nax.altitude	4000m		
Night sell consumption	< 3.5 W		
Topological structure	Dual level non isolated		
Cooling method	Smart Air Cooling		
IP degree	IP66		
Relative humidity	0 - 100% (No condensation)		
Features			
DC terminal type	Photovoltaic dedicated plug-in terminal		
AC terminal type	OT / DT (MAX. 300mm.2)		
Display	LED+APP		
Communication interface	RS 485 - 4 G		
Certification	NB/T 32004-2018, GB/T 37408-2018, GB/T 28319-2024, IEC 62109-1/2, IEC 61000-1/2/3/4		
Warranty : 5 years/ 10 years	Standard 5years extended to 10 years		