Grid-connected PV inverter HS3P-300/330/360K-T



User friendly

- Night SVG
- Anti-PID function, protecting PV module for degradation
- Intelligent and high precision IV curve diagnosis

Efficiency friendly

- Max.Efficiency 99.02%, European efficiency 98.8%
- Optimized MPPT algorithm, ensuring maximum power generation efficiency
- Match 182 / 210 bifacial modules perfectly

Operation friendly

- Built in AC terminal temperature detection，more safer
- IP66 & C5, robust environment adaptability
- Intelligent string disconnect switch

SBEON | Haier Energy

Input(DC)			
Max. Input Voltage		1500V	
Max.Input Voltage/Start-up voltage		500 / 500V	
Rated Input Voltage		1170V	
Operated Voltage Range		500V – 1500V	
No. of MPPTs/No of strings per MPPT		6/5[5]	
Max.Input Current per MPPT		75A	
Max.Short-cireut Current per MPPT		125A	
Output(AC)			
Rated Output Power	300kW@51°C	330kW@40°C	360kW@30°C
Max.Output Power		363kW	
Max.Output Apparent Power		363kW	
Max.Output Current		262A	
Rated output voltage range		800V	
Feed-in phases		3	
AC conneciton		3W+PE	
Nominal grid frequency		50/60Hz	
Frequency Range		45-55Hz/55-65Hz	
Power Factor		≥0.99	
Adjustable Power Factor		±0.8adjustable	
Harmonic(THDI) at rated output power		<3% (rated power)	
Efficiency			
Max. Efficiency		99.02 %	
Eu Efficiency		98.80 %	
Protection			
Inputreverse protection		Yes	
DC switch		Yes	
DC Insulation resistance detection		Yes	
PV ground -fault protection		Yes	
PV string current monitoring		Yes	
AC overcurrent protection		Yes	
AC short-circuit protection		Yes	
Residual Current Monitoring Unit (RCMU)		Yes	
Anti-islanding protection		Yes	
Grid fault monitoring		Yes	
Intelligent string disconnector		Yes	
DC surge protection		Type II	
AC surge protection		Type II	
Anti-PID function		Yes	
Temperaturedetectionof AC terminals		Yes	
General Parameter			
Dimension(W/H/D)		1120*820*365mm	
Weight		110kg	
Operating temperatur range		-40–60°C	
Max.altitude		5000m (> 4000m derating)	
Night self consumption		<5W	
Topology		Transformerless	
Cooling method		Smart Air Cooling	
IP degree		IP56	
Relative humidity		0–100% (No condensation)	
Corroxion		C5	
Features			
DC terminal type		48.6mm²	
AC terminal type		Support OT / DT Terminal (Max. 400mm²)	
Display		LED	
Communication interface		R5485, PLC	
Certification		IEC62109-1/-2, IEC EN61000-6-1, IEC EN61000-6-3, IEC61727, IEC 62116, IEC61683	
Warranty		5 years	

[5] 5 inputs for 182mm-cell modules 4 inputs for 210mm-cell modules