

Technical Parameters

Type	HNS3000TL-2	HNS3600TL-2
Input (DC)		
Min/Max PV Generator(W)	2500-3200	3000-4000
Start up Voltage	140	140
Max DC Voltage(V)	450	450
MPPT DC Voltage Range(V)	140-450	140-450
Turn off DC Voltage(V)	110	110
Max DC Current(A)	10+10	12+12
Number of DC Connections	2(strings)	2(strings)
Number of MPP Trackers	2	2
Turn On Power (W)	10	10
Output (AC)		
	202-258	
Max AC Power(W)	3000	3600
Max AC Current(A)	14	16
Grid Voltage Range	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
Grid Frequency Range	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
Power Factor	-0.9 ~ + 0.9	-0.9 ~ + 0.9
THD(AC Output Current)	<3%	<3%
AC Connector	Plug In Connector(Inside)	Plug In Connector(Inside)
Power Consumption		
Power Consumption at Night	<1	<1
Power Consumption at Standby	3	3
Max Efficiency(On 400V DC)	97.00%	97.00%
Euro Efficiency(On 400V DC)	96.30%	96.30%
MPPT Efficiency	>99%	>99%
Safety And Protection		
Internal Overvoltage Protection	Yes	Yes
DC Insulation Monitoring	Yes	Yes
Earth Fault Protection	Yes	Yes
Grid Monitoring	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
Earth Fault Current Monitoring	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
DC Current Monitoring	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
Islanding Protection	According to IT:CEI 0-21, UK:G83/2, AU:AS4777, CN:CQC	
CE-Compliant According to	EN62109, EN61000-6-1, EN61000-6-3, EN61000-6-2, EN61000-6-4, EN61000-3-2, EN61000-3-3, EN61000-3-12, EN61000-3-11	
Environmental Limits		
IP Protection Type	IP65(Outdoor)	IP65(Outdoor)
Operation Temperature Range	-20c ~ + 55c	-20c ~ + 55c
Max Altitude Above Sea Level	0 to 2000m	0 to 2000m
Noise Level(db)	<28	<28
General Data		
Dimensions(WxHxD)	584x300x130	584x300x130
Weight(Kg)	18.5	18.5
Isolation Type	Tranformerless	
Cooling Concept	Natural Convection(No Fan)	
Housing	Alluminium housing for inside and outside installation	
Mounting Information	Wall Bracket	
Display	2xLED, 128x64pix LCD, Backlight	
Data Communication Interfaces	RS485, Optional(3G, WI-FI, Ethernet)	
Computer Communication	RS485	
Standard Warranty	10 Years(Optional 20 Years)	