



HYBRID SOLAR INVERTER/SINGLE PHASE

AN-HYI-E 3KW/6KW



Parallel Operation
Up to 6 Units



10-450Vdc



2 Independent AC Inputs
2 Outputs



High Efficiency
Max.98%



Wi-Fi



Maximize PV Input
Power(2 MPPTs)



Current Transformer



Touchscreen

MODEL	AN-HYI-E-3KW		AN-HYI-E-6KW
PHASE	1-phase in /1-phase out		
MAXIMUM PV INPUT POWER	4500W		9000W
RATED OUTPUT POWER	3000W		6000W
MAXIMUM CHARGING POWER	3000W		6000W
GRID-TIED OPERATION			
PV INPUT(DC)			
Maximum DC Voltage	/		500Vdc
Start-up Voltage /Initial Feeding Voltage	/		90Vdc/120Vdc
MPPT Voltage Range	/		60-450Vdc
Number of MPPT Trackers /Maximum Input Current	/		2/18A
GRID OUTPUT(AC)			
Nominal Output Voltage	/		220/230/240VAC
Output Voltage Range	/		184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)
Nominal Output Current	/		26.1A
Power Factor	/		>0.99
EFFICIENCY			
Maximum Conversion Efficiency(DC/AC)	/		97%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage /Auto Restart Voltage	120-140 VAC/180 VAC		
Acceptable Input Voltage Range	90-280 VAC		
Frequency Range	50 Hz/60 Hz(Auto sensing)		
Maximum AC Input Current	18A	40A	
PV INPUT(DC)			
Maximum DC Voltage	500Vdc		520Vdc
MPPT Voltage Range	50Vdc-450Vdc		
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A	
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Puresine wave		
Efficiency (DC to AC)	93%		
HYBRID OPERATION			
PV INPUT(DC)			
Maximum DC Voltage	500Vdc		
Start-up Voltage/Initial Feeding Voltage	90Vdc/120Vdc		
MPPT Voltage Range	50Vdc-450Vdc		
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A	
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)		
Nominal Output Current	13A	26.1A	
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140 VAC/180 VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280 VAC		
Maximum AC Input Current	16A	40A	
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Efficiency (DC to AC)	93%		
BATTERY &CHARGER			
Nominal DC Voltage	24Vdc	48Vdc	
Maximum Solar Charging Current	100A	135A	
Maximum AC Charging Current	100A	135A	
Maximum Charging Current	100A	135A	
GENERAL			
PHYSICAL			
Dimension, D x W x H(mm)	451x353x160		471x444x200
Net Weight (kg)	12.3		18.2
INTERFACE			
Parallel Function	/		Yes, 6 units
Communication Port	RS232/RS485/Wi-Fi		RS232/RS485/CAN/Wi-Fi/Dry contact
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
IP degree	IP65		
Operating Temperature	-10°C~50°C		
Storage Temperature	-15°C~60°C		