

SINGLE PHASE HYBRID INVERTER AN-HYI 6KW/8KW/10KW /12KW



»» Features

- IP65 waterproof and dustproof
- Dual outputs for smart load management
- Two independent AC power sources connected and switched automatically
- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, battery or grid
- Built-in communication port for BMS(RS485)
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Parallel operation up to 6 units
- Built-in CT function
- Color and touch LCD, more function design

MODEL	HYI-S6000		HYI-S8000		HYI-S10000		HYI-S12000	
PHASE	1-phase in /1-phase out							
MAXIMUM PV INPUT POWER	9000W		13500W		16200W		16200W	
RATED OUTPUT POWER	6000W		8000W		10000W		12000W	
MAXIMUM CHARGING POWER	6000W		8000W		10000W		12000W	
GRID-TIE OPERATION								
PV INPUT(DC)								
Maximum DC Voltage	520Vdc							
Start-up Voltage /Initial Feeding Voltage	90Vdc/120Vdc							
MPPT Voltage Range	50-500Vdc							
Number of MPPT Trackers/Maximum Input Current	2/18A		2/18A+36A		2/18A+36A		2/18A+36A	
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		34.8A		43.5A		52.2A	
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	40A		50A		60A		70A	
PV INPUT(DC)								
Maximum DC Voltage	520Vdc							
MPPT Voltage Range	50Vdc-500Vdc							
Number of MPPT Trackers/Maximum Input Current	2/18A		2/18A+36A		2/18A+36A		2/18A+36A	
BATTERY MODE OUTPUT(AC)								
Nominal Output Voltage	220/230/240VAC							
Output Waveform	Pure sine wave							
Efficiency (DC to AC)	93%							
HYBRID OPERATION								
PV INPUT(DC)								
Maximum DC Voltage	520Vdc							
Start-up Voltage/Initial Feeding Voltage	90Vdc/120Vdc							
MPPT Voltage Range	50Vdc-500Vdc							
Number of MPPT Trackers/Maximum Input Current	2/18A		2/18A+36A		2/18A+36A		2/18A+36A	
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		34.8A		43.5A		52.2A	
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	40A		50A		60A		70A	
BATTERY MODE OUTPUT(AC)								
Nominal Output Voltage	220/230/240VAC							
Efficiency (DC to AC)	93%							
BATTERY & CHARGER								
Nominal DC Voltage	48Vdc							
Maximum Solar Charging Current	135A		190A		220A		250A	
Maximum AC Charging Current	135A		190A		220A		250A	
Maximum Charging Current	135A		190A		220A		250A	
GENERAL								
PHYSICAL								
Dimension, D xWx H(mm)	500x483x235.5				600x483x260			
Net Weight (kg)	30		38		42		45	
INTERFACE								
Parallel Function	Yes, 6 units							
Communication Port	RS232/RS485/CAN/WiFi/Dry contact							
ENVIRONMENT								
Humidity	5% to 95% Relative Humidity(Non-condensing)							
IP degree	IP65							
Operating Temperature	-10℃ - 50℃							
Storage Temperature	-15℃ - 60℃							