

Hyner ESS WP II



- IP65 waterproof and dustproof design
- Wide battery input range 200~900 VDC
- 200A AC passthrough capability only for 50kw
- Parallel operation up to 4 units with common battery
- Built-in WiFi for mobile monitoring (APP is available)
- Two independent AC power sources connected and switched automatically
- User-adjustable charging current up to 50A or 100A based on model
- User-friendly HMI LCD design and easy configuration
- Built-in communication port for BMS (CAN and RS485)

HYNER ESS WP II Three Phase Hybrid INVERTER

MODEL	Hyner ESS WP II 30 KW	Hyner ESS WP II 50KW
OUTPUT POWER MAXIMUM CHARGING POWER	48000 W	65000 W
OPERATION PV INPUT (DC) Nominal DC	30000 W	50000 W
Voltage / DC Voltage Range Start-up Voltage / Initial	720 VDC / 300 VDC ~ 1000 VDC	
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 300 VDC ~ 1000 VDC	
Start-up Voltage / Initial Feeding Voltage	300 VDC / 350 VDC	
MPP Voltage Range	350 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	3 / 36A for each	4 / 36A for each
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 265 VAC per phase	
Nominal Output Current	43.5A per phase	72.5A per phase
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	>=97%	
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	47.9 A	79.8 A
PV INPUT DC		
MAXIMUM DC VOLTAGE	720 VDC / 300 VDC ~ 1000 VDC VDC	
MPP Voltage Range	350 VDC ~ 900 VDC	
Number of MPP Trackers / Maximum Input Current	3/36A for each	4/36A for each
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	>=97%	
HYBRID OPERATION		
PV INPUT (DC)		
Maximum DC power	48000 W	65000 W
Nominal DC Voltage / DC Voltage range	720 VDC / 300 VDC ~ 1000 VDC	
MPP Voltage Range	300 VDC ~ 900 VDC	
No. of Mpp trackers / Maximum Input Current	3/36A foreach	4/36A for Each
No. of strings per MPP Tracker	2	2
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 265 VAC* per phase	
Nominal Output Current	43.5A per phase	72.5A per phase
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	47.9 A	79.8 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	>=97%	
BATTERY & CHARGER		
Battery Voltage Range	200 - 900 VDC	
Maximum charge / Discharging Current	50A	100A
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)	290x580x900	
INTERFACE		
Communication Port	RS-232, RS-485, USB, CAN and Wi-Fi, dry contact	
Intelligent Slot	Optional for SNMP or Modbus	
ENVIRONMENT		
Humidity	0 ~ 100% RH	
Operating Temperature	30 to 60°C, (>45°C De-rating)	
Altitude	0 ~ 1000 m**	
PROTECTION & CERTIFICATE		
Safety	IEC 61000, EN 62920, EN 62477, EN62619	
Grid Connection Standard	IEC61683, IEC61727, IEC 62116	NRS097-2-1, IEC61683, IEC61683, IEC61727, IEC62116 (EN 50549-1 + -10, CQC

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.

** Power derating 1% every 100 m when altitude is over 1000m
Product specifications are subject to change without further notice.