



HLE IP65 6kW

NEW MODEL 2024

7000kW

pv capacity with 27 ampere dual MPPT controller



Inbuilt LIPO battery Protocols for major brands

Innovation 24 Continuous performance

Intelligent Load Management



Wifi built in



Innovation 24 More PV power

Netmetering Standards Compliance

Parallel operation upto 4 units



Dual Output

Output 1 : For Light Load, Fans etc

Output 2 : For AC/Heavy Load

- IP65 waterproof & dustproof makes the inverter available for various working conditions
- Reserved communication port for BMS (Rs 485)
- Dual Outputs for smart load management
- Parallel operation upto 6 units
- Replaceable fan design for ease of maintenance
- Selectable high power charging current

New Addition in HLE IP 65 family
Next Generation Hybrid Inverter with
ENERGY STORAGE

Hybrid Battery Less
ON Grid + OFF Grid

- Configurable AC/PV output usage timer & prioritization
- Selectable high power charging current
- Compatible to Utility Main or generator input



Infinity IP TWIN Three Phase Hybrid Solar Inverter Selection Guide

MODEL	Infinity IP TWIN 6kW
MAXIMUM PV INPUT POWER	7000 W
RATED OUTPUT POWER	6000 W
MAXIMUM CHARGING POWER	6000 W
GRID-TIE OPERATIONS	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	500 VDC/ 360 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC
MPP Voltage Range	120VDC~ 430 VDC
No. of MPP Trackers/maximum Input Current	1/A: 27A
Number of Strings Per MPP Tracker	1
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Voltage Range	190 ~ 260 VAC
Nominal Output Current	26A
Power Factor range	0.9 lag ~ 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	>93%
European Efficiency @ Vnominal	>93%
OFF-GRID OPERATION	
AC INPUT	
ac start-up voltage / Auto Restart Voltage	170 VAC
Acceptable Input Voltage Range	180 VAC ~ 270 VAC
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Power	7000 W
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
No. of MPP trackers/Maximum Input Current	1/A: 27A
Number of Strings Per MPP Tracker	1
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	>92%
HYBRID OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
Start-up Voltage / Initial Feeding Voltage	120 VDC
MPP Voltage Range	120VDC ~ 430 VDC
No. of MPP Trackers/ Maximum Input Current	1/A: 27A
Number of Strings Per MPP Tracker	1
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC
Output Voltage Range	190 VAC ~260 VAC
Nominal Output Current	26 A
AC INPUT	
AC Start-up Voltage/ Auto Restart Voltage	170 VAC
Acceptable Input Voltage Range	180 VAC ~ 270 VAC
Maximum AC Input Current	40A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/ 230/ 240 VDC
Efficiency (DC to AC)	>92%
BATTERY & CHARGER	
Battery Voltage Range	40 ~ 62 VDC
Maximum Charging Current	80A
GENERAL	
PHYSICAL	
Dimension D x W x H (mm)	120 X 360 X 494
Net Weight (kgs)	12.62KG
INTERFACE	
Communication Port	
Intelligent Slot	
ENVIRONMENT	
Humidity	0-100% (non-condensing)
Operating Temperature	-10~ + 50° C
Altitude	0- 1000m**

*These figure are base on VDE-4105 standards. All figures may vary depending on different AC voltage and country requirements.
 **Power derating 1% every 100m when altitude is over 1000m *Product specifications are subject to change without further notice.