

Huayu Hybrid Inverter

EU Version·Low Battery Voltage(40-60Vdc)



HYL-4000

HYL-6000

Features



Max. Efficiency
96%



Three Time of
Use Setting



Support Generator
Connection



Internal SPD



High Surge
Endurance



Support Multiple
Parallel



LCD Plus LED



High Power
Factor

Datasheet
HYL-4000
HYL-6000
Output Data

Rated Power	3500W/3500VA	5500W/5500VA
Surge Power	7000VA	11000VA
Parallel Capacity	NO	12PCS
Nominal Output Voltage	220/230VAC±5%	220/230VAC±5%
Switch Time	10ms (For Personal Computer); 20ms (For Home Appliances)	
Waveform	Pure Sine Wave	Pure Sine Wave
Peak Efficiency (PV to INV)	96%	96%
Peak Efficiency (Battery to INV)	93%	93%
Overload Protection	5s@>=150% load; 10s@110%~150% load	5s@>=150% load; 10s@110%~150% load
Crest Factor	3:1	3:1
Admissible Power Factor	0.6~1 (Inductive or Capacitive)	0.6~1 (Inductive or Capacitive)

Input Data

Nominal Voltage	230VAC	230VAC
Acceptable Voltage Range	170~280VAC (For Personal Computer); 90~280VAC (For Home Appliances)	
Nominal Frequency	50/60Hz (Auto sensing)	50/60Hz (Auto sensing)

Battery Data

Battery Type	Lithium/Lead-Acid	Lithium/Lead-Acid
Nominal Voltage	24V	48V
Floating Charge Voltage	27V	54V
Over Charge Protection	33V	63V
Charging Method	CC/CV	CC/CV

Solar Charger Data

Max. Recommended PV Power	4000W	5500W
Solar Charger Type	MPPT	MPPT
Max. PV Open Circuit Voltage	500VDC	500VDC
MPPT Voltage Range	120~450VDC	120~450VDC
Max. Solar Charge Current	100A	100A
Max. Solar Input Current	15A	18A

AC Charger Data

Nominal Voltage	230VAC	230VAC
Max. Charge Current	60A	60A
Frequency Range	50Hz/60Hz	50Hz/60Hz

General Data

Dimension(mm)	290Wx482Hx113D	290Wx482Hx113D
Weight	9kg	10kg
Operating Temperature	-10℃~50℃	-10℃~50℃
Relative Humidity Range	5%~95% (Non-condensing)	5%~95% (Non-condensing)
Protection Degree	IP21	IP21
Storage Temperature	-15℃~60℃	-15℃~60℃

Features

Display	LCD+LED	LCD+LED
Lithium Battery Communication	RS485	RS485
RS232/Dry Connector	YES/YES	YES/YES
Wifi/GPRS	Optional	Optional
Warranty	2 Years	2 Years