

EN

 **HUAYU**
new energy

 **TEGINNOVATION**
SIMPLE SPECIAL SOLUTIONS

Most Cost-saving Solution for Microinverter

- HY-1600-Pro (4 in 1) **New**
- HY-1300-Pro (4 in 1) **Hot**
- HY-1200-Pro (4 in 1) **Hot**
- HY-1000-Pro (4 in 1)

- HY-800-Pro (2 in 1) **New**
- HY-600-Pro (2 in 1) **Hot**
- HY-600-Pro-127V (2 in 1)
- HY-500-Pro (2 in 1) **Hot**

25
YEAR
WARRANTY

Make our home energy self-sufficient.

World's First Data Logger (DTU) Integrated Microinverter



Huayu Module-level
Monitoring System

- Stable data collection with WiFi/PLC/Zigbee solution
- Compliant with EU GDPR (the General Data Protection Regulation)
- Available for PC, Pad & Smartphone

Why Huayu Microinverter

	Huayu Microinverter Solution		Conventional Microinverter Solution
Extension Warranty Cost	25 years (Standard)	VS.	5~10 years (extra cost for extension)
Startup Voltage	20Vdc	VS.	22Vdc
MPPT for 4 in 1	4 MPPTs	VS.	Some with only 2 MPPTs
AC Cable Cost	Integrated(2.27m/4.23m) for 2 in 1/4 in 1	VS.	Most not integrated (extra cost)
Data Logger Cost	Integrated (Save 100~200 USD)	VS.	Not integrated (100~200 USD extra cost)
Monitoring Availability	PC/Smartphone/Pad	VS.	Most with only PC/Smartphone
Monitoring Data Collection	WiFi/PLC/Zigbee for stronger signal	VS.	Weak wireless signal collection such as 2.4G

Safer • Smarter • More Powerful • More Reliable • More Cost-effective

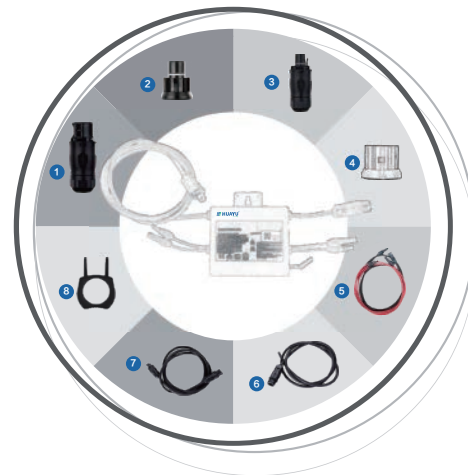
Huayu Microinverter Line-up

Input Data(DC)	HY-500-Pro	HY-600-Pro	HY-600-Pro-127V	HY-1000-Pro	HY-1200-Pro	HY-1300-Pro	HY-800-Pro	HY-1600-Pro
Recommended Input Power	2 × 210~400W		2 × 210~400W	4 × 210~400W		2 × 210W~470W		4 × 210W~470W
Startup Voltage	20V		20V	20V		22V		22V
Maximum Input DC Voltage	60V		60V	60V		60V		60V
MPPT Voltage Range	25~55V		25~55V	25~55V		25~55V		25~55V
Operating DC Voltage Range	20~60V		20~60V	20~60V		20~60V		20~60V
Max DC Short Circuit Current	13A		13A	13A		13A		13A
Max Input Current	2 × 10.4		2 × 10.4	4 × 10.4		2 × 10.4		4 × 10.4
Output Data(AC)								
Peak Output Power	500W	600W	600W	1000W	1200W	1300W	800W	1600W
Maximum Output Current	2.17A	2.884A/2.5A	4A	4.34A	4.34A	6.25A/5.416A	3.5A	7.0A
Nominal Voltage/Range	a.c. 184~265V @230Vac	208V/183~229V 240V/211~264V	a.c. 95~155V @127Vac	a.c. 184~265V @230Vac	a.c. 184~265V @230Vac	208V/183~229V 240V/211~264V	230V/184~265V	230V/184~265V
Nominal Frequency/Range	50.0/47.5~51.5Hz	60.0/59.3~60.5Hz	60.0/59.3~60.5Hz	50.0/47.5~51.5Hz	50.0/47.5~51.5Hz	60.0/59.3~60.5Hz	50/47.5-51.5Hz 60/59.3-60.5Hz	50/47.5-51.5Hz 60/59.3-60.5Hz
Extended Frequency/Range	50.0/45~55Hz	60.0/55~65Hz	60.0/55~65Hz	50.0/45~55Hz	50.0/45~55Hz	60.0/55~65Hz	60.0/55~65Hz	60.0/55~65Hz
Power Factor	>0.95		>0.95	>0.95		>0.99		>0.99
Maximum Units per Branch	8		5	5		6		3
Efficiency								
CEC Weighted Efficiency			95%			95.5%		95.5%
Peak Inverter Efficiency			96.5%			96.4%		96.3%
Static MPPT Efficiency			99%			>99.5%		>99.5%
Night Time Power Consumption				<50mW				
Mechanical Data								
Ambient Temperature Range				-40~65°C				
Dimensions (W×H×D)	185×161×29 mm			350 × 260 × 30 mm		185×161×29 mm		350 × 260 × 30 mm
Weight	2.2kG			6.3kG		2.2kG		6.3kG
Cooling				Natural Convection-No Fans				
Enclosure Environmental Rating				IP67				
Features								
Compatibility				Compatible with 60~72 cell PV modules				
Communication				WiFi/Power line/Zigbee				
Compliance				UL1741, INMETRO, VDE0126 ,VDE4105, IEC62109, CE etc.				
Warranty				25 years				

Huayu Microinverter

Optional Accessories

- ① AC Female Connector
- ② AC Female End Cap
- ③ AC Male Connector
- ④ AC Male End Cap
- ⑤ DC Extension Cable
- ⑥ AC End Cable-F
- ⑦ AC Extension Cable
- ⑧ Unlock Tool



Huayu Global Partner

Technical Training

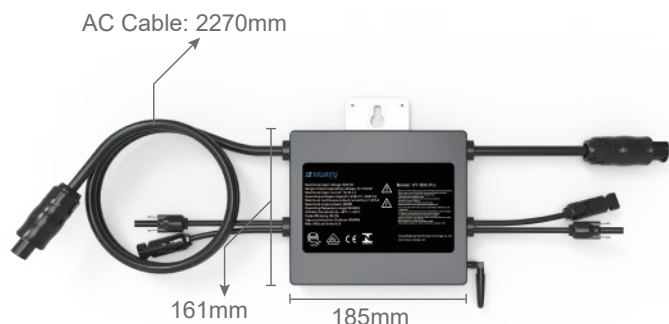


Huayu Global Service Partner Plan

- Local Service Team
- Local Service Center
- Local Technical Training

Huayu Microinverter for Cost-saving

AC Cable Integrated • Data Logger(DTU)Built-in • 25-year Warranty Included



- **HY-800-Pro (2 in 1) New**
- HY-600-Pro (2 in 1) **Hot**
- HY-600-Pro-127V(2 in 1)
- HY-500-Pro (2 in 1) **Hot**



- **HY-1600-Pro (4 in 1) New**
- HY-1300-Pro (4 in 1) **Hot**
- HY-1200-Pro (4 in 1) **Hot**
- HY-1000-Pro (4 in 1)

Why Pay More?

Data Logger(DTU) Cost Saving

Data Logger(DTU) built-in microinverter

AC Cable Cost Saving

4.23m AC cable integrated for 4 in 1 microinverter
2.27m AC cable integrated for 2 in 1 microinverter

Installation Time Saving

Plug & play installation with daisy chain AC cable design

Warranty Extension Free

25-year standard warranty ensuring lower LCOE & stable performance of solar system in life time

On-site Troubleshooting Free

Module-level monitoring solution enabling operating & faulty data of each solar module in hand



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