

# 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	<b>25 years</b> (Standard)	VS.	5~10 years (extra cost for extension)
Startup Voltage	<b>20Vdc</b>	VS.	22Vdc
MPPT for 4 in 1	<b>4 MPPTs</b>	VS.	Some with only 2 MPPTs
AC Cable Cost	Integrated( <b>2.27m/4.23m</b> ) for 2 in 1/4 in 1	VS.	Most not integrated (extra cost)
Data Logger Cost	<b>Integrated</b> (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

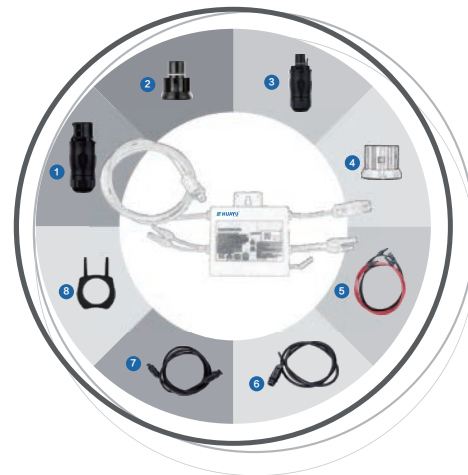
# Huayu Microinverter Line-up

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
<b>Output Data(AC)</b>								
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	@230Vac	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	50Hz	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
<b>Efficiency</b>								
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							
<b>Mechanical Data</b>								
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							
<b>Features</b>								
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 | ⑤ DC Extension Cable |
| ② AC Female End Cap   | ⑥ AC End Cable-F     |
| ③ AC Male Connector   | ⑦ AC Extension Cable |
| ④ AC Male End Cap     | ⑧ Unlock Tool        |



## Huayu Global Partner

### Technical Training

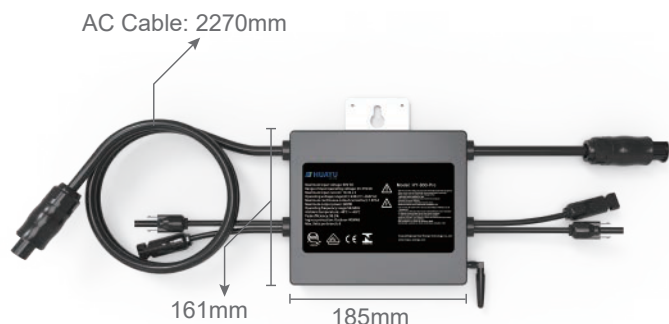


### Huayu Global Service Partner Plan

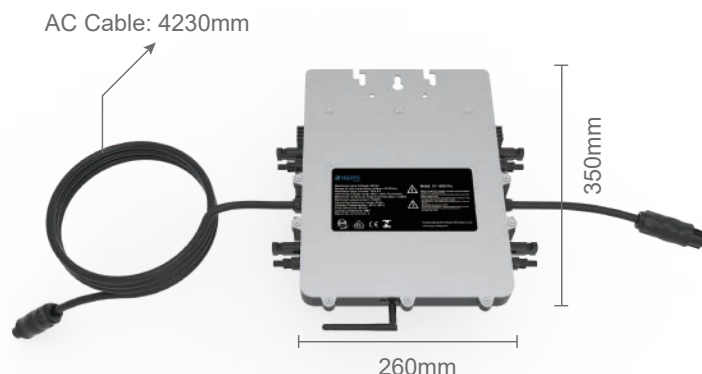
- Local Service Team
- Local Service Center
- Local Technical Training

# 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



### Huayu Headquarters

Huayu(Zhejiang)New Energy Technologies Co., Ltd.

Add: No.456 Xingning Road, Ningbo 315100, P.R.China

Tel: +86-574-89258801

E-mail: info@huayu-energy.com

Website: www.huayu-energy.com

### Huayu Overseas Branch

Huayu USA

Add: 20 Fairbanks,Irvine,CA92618,USA

Huayu Brazil

Add: Rua Miguel Mota 239-Vila Canero, Sao Paulo, SP 03191-110, Brazil

Huayu EMEA

Add: Generala Augusta Fieldorfa-Nila 17, 31-209 Krakow, Poland

Huayu Mexico

Add: Calle C 500, Almacentro Industrial, 66640 Cd Apodaca, Monterrey, Mexico