



Building a Fully Connected, Intelligent World

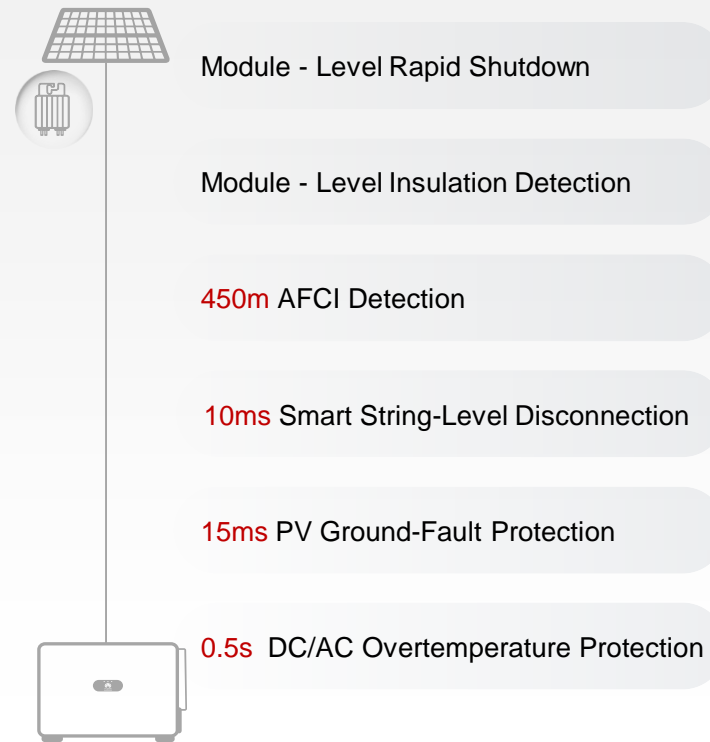
# SUN2000-150K

World's Largest Power  
C&I Inverter



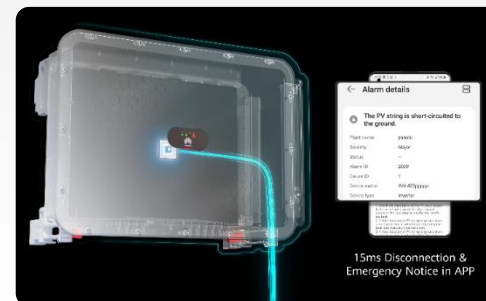
## 1 Proactive Safety

### 6 Layers Protection



### Industry's 1<sup>st</sup> PV Ground-Fault Protection

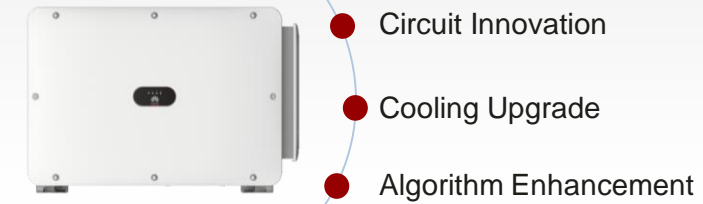
Cutting off ground faults within **15ms**, ensuring inverter safety



## 2 1.5% More Energy Yield

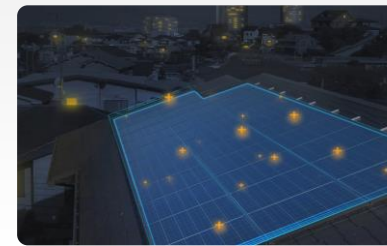
### 98.8% Efficiency

0.2pct higher than industry



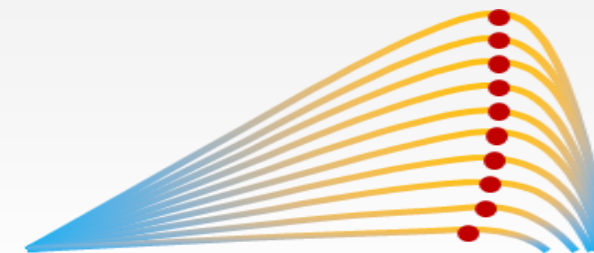
### Leading PID Recovery, 3% Higher Yield

0.1pct higher than industry



### Dynamic MPPT efficiency algorithm

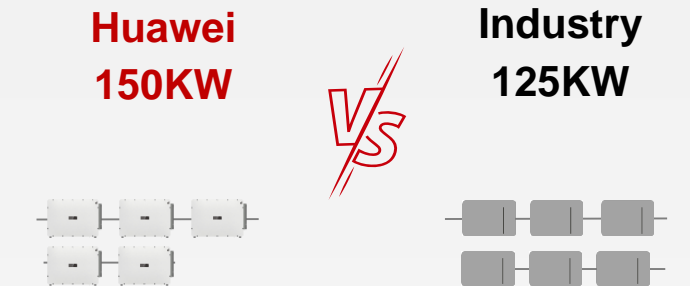
0.36% efficiency improved



Dynamic MPPT efficiency: **99.839%**

## 3 5% BOS Saving

### 5% BOS Saving in 1MW PV Plant



**5pcs** **6pcs**  
Total number of inverters

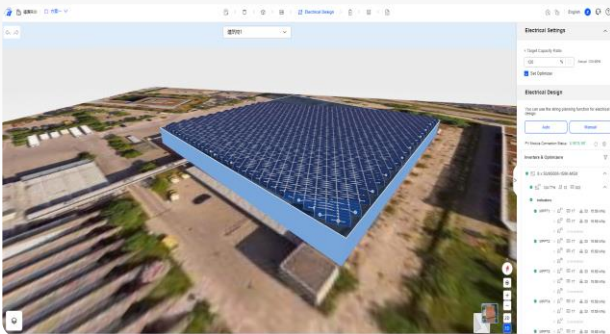
**333m** **393m**  
Total length of AC power cables

**270\$** **340\$**  
Installation costs

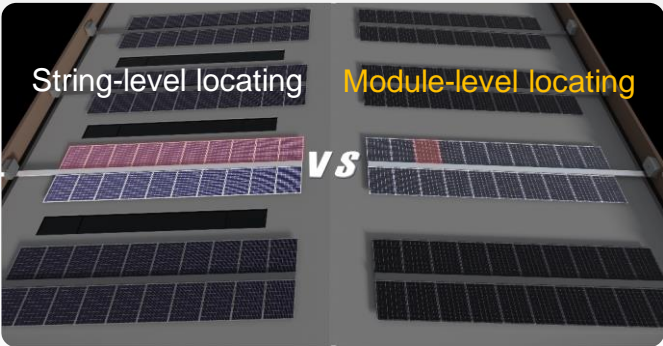
# 4 Smart O&M

## One-Stop Simplified Design

- Free of site survey
- Automatic layout
- Optimal design



## Module Level Insulation Detection



90%  
Fault detection time

# 5 Premium Quality

## <0.5% Annual Failure Rate

- >130GW deployment in utility and C&I
- > 15 years stable operation in harsh environments



## 99.999% Availability

Authentication by TUV



# 6 Grid Friendly

## Intelligent Harmonic Suppression

Intelligent harmonic suppression algorithm

THDi <1%

## Intelligent Reactive Power Compensation

0.01 of automatic closed-loop control precision

### 1.7MW Case in China

	Before Huawei solution	After Huawei solution
Power factor	0.8	0.97
Penalty (CNY/Month)	1000–2000	0

## Reference Cases

### 2.4MW Rome Logistics Park



- Annual power generation: 2,880 MWh
- Reduce the BOS by 20%
- Simplified O&M, AFCI 450m longer protection

### 1.3MW China Precision Manufacturing



- Annual power generation: 1,600 MWh
- Annual Electricity cost saving by 23%