

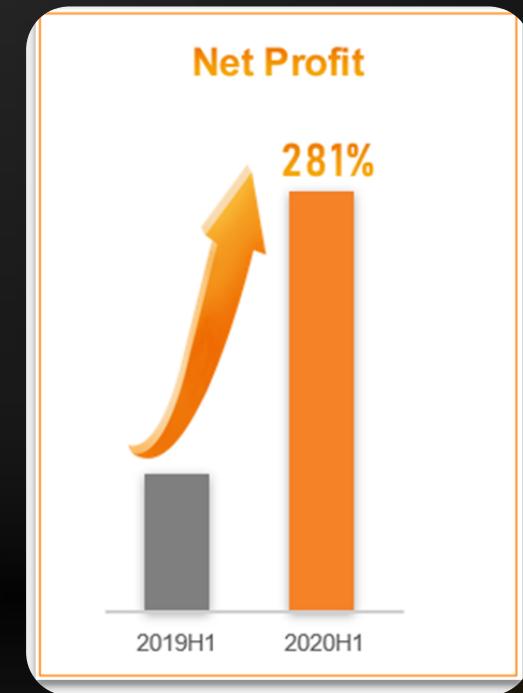


Solis 255kW Utility Inverter

Welcome to the new
era in PV evolution



3rd Party Endorsement. Financial Stability & Product Quality



Price

Inverter Price Trend: Central vs String 2010-2023

String Inverter cost

Central Inverter cost

Year

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

0.45

0.4

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

Solis 1500V 255kW differentiators

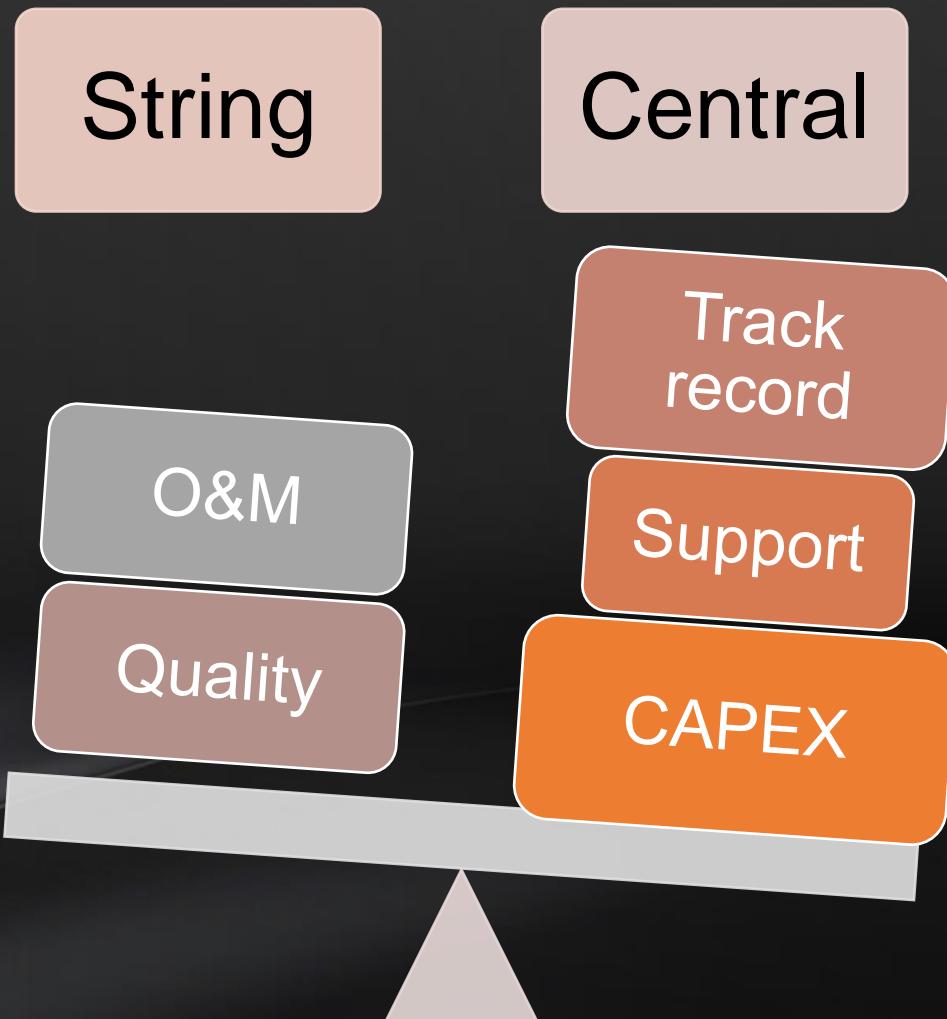


High DC/AC Ratio

High Yield

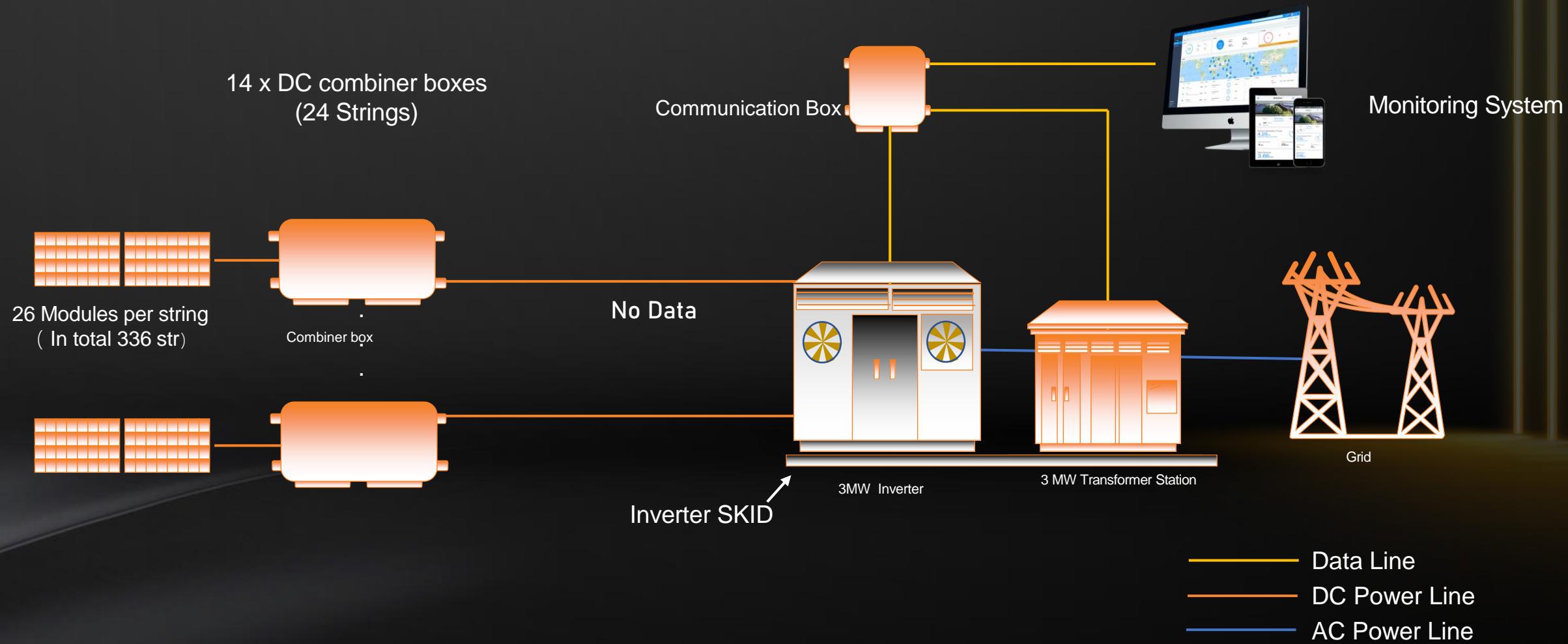
Smart O & M

Utility segment is the largest end-user of string inverters

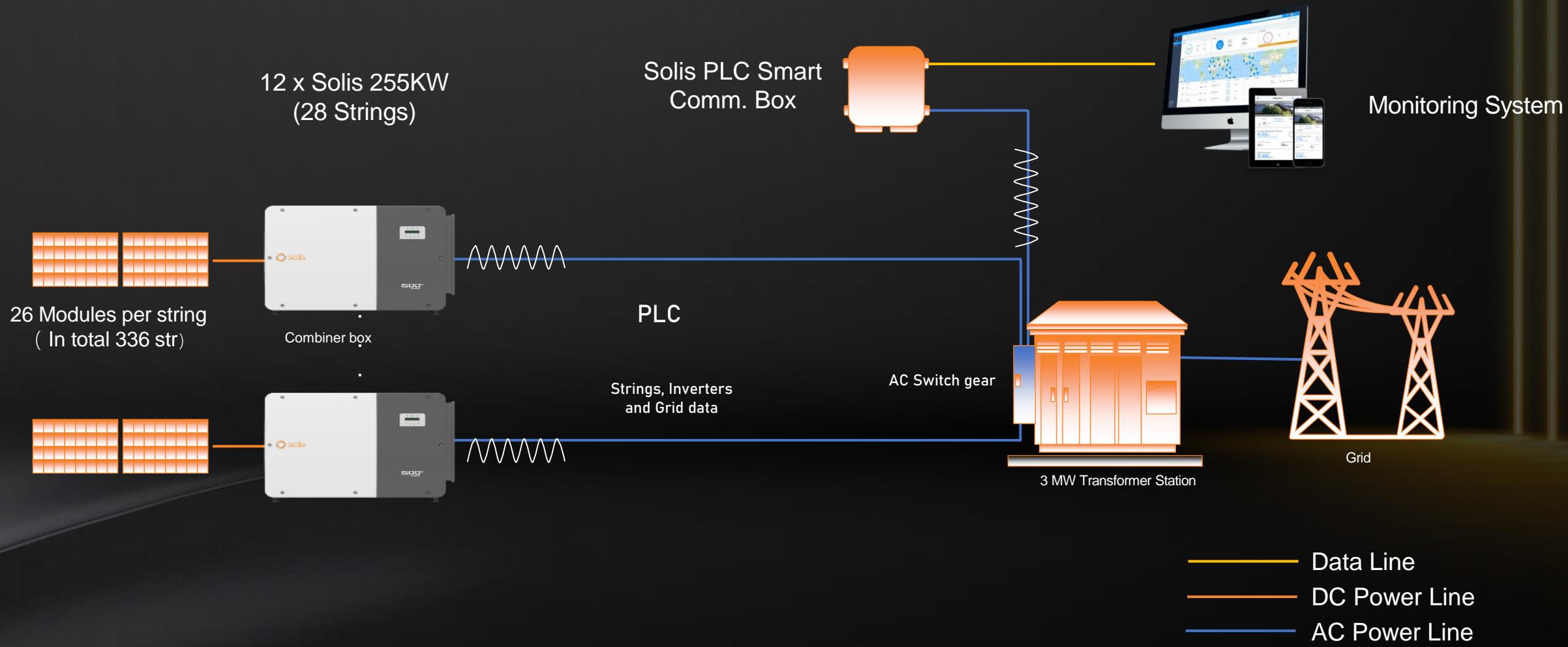


Global string inverter market forecast:
USD\$3Bn 2019 to USD\$5Bn 2024

1500V 3MW Central Solution



1500V 3MW Solis Solution



Reduction in BOS cost: Eliminates DC combiner boxes, Central Inverter reduce connectivity hardware cost

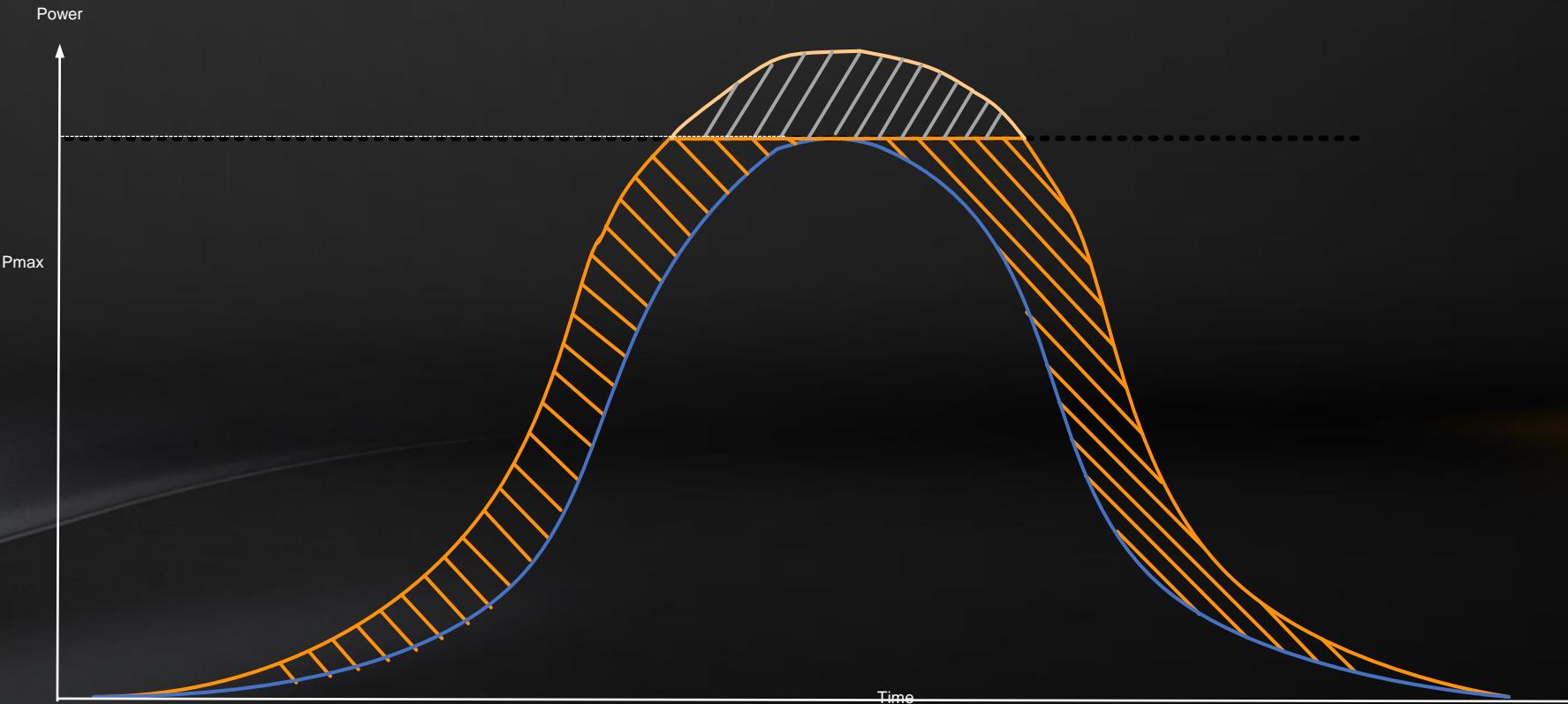
- **28 - 42 string inputs**
- **Fuse Free – not required**
- AFCI included
- String monitoring
- IV curve analysis
- **DC coupled ESS Ready**
- MC4 Connectors
- No torque check
- IP66
- Anti-PID built-in



Flexible DC:AC ratio and low start up and operation voltage

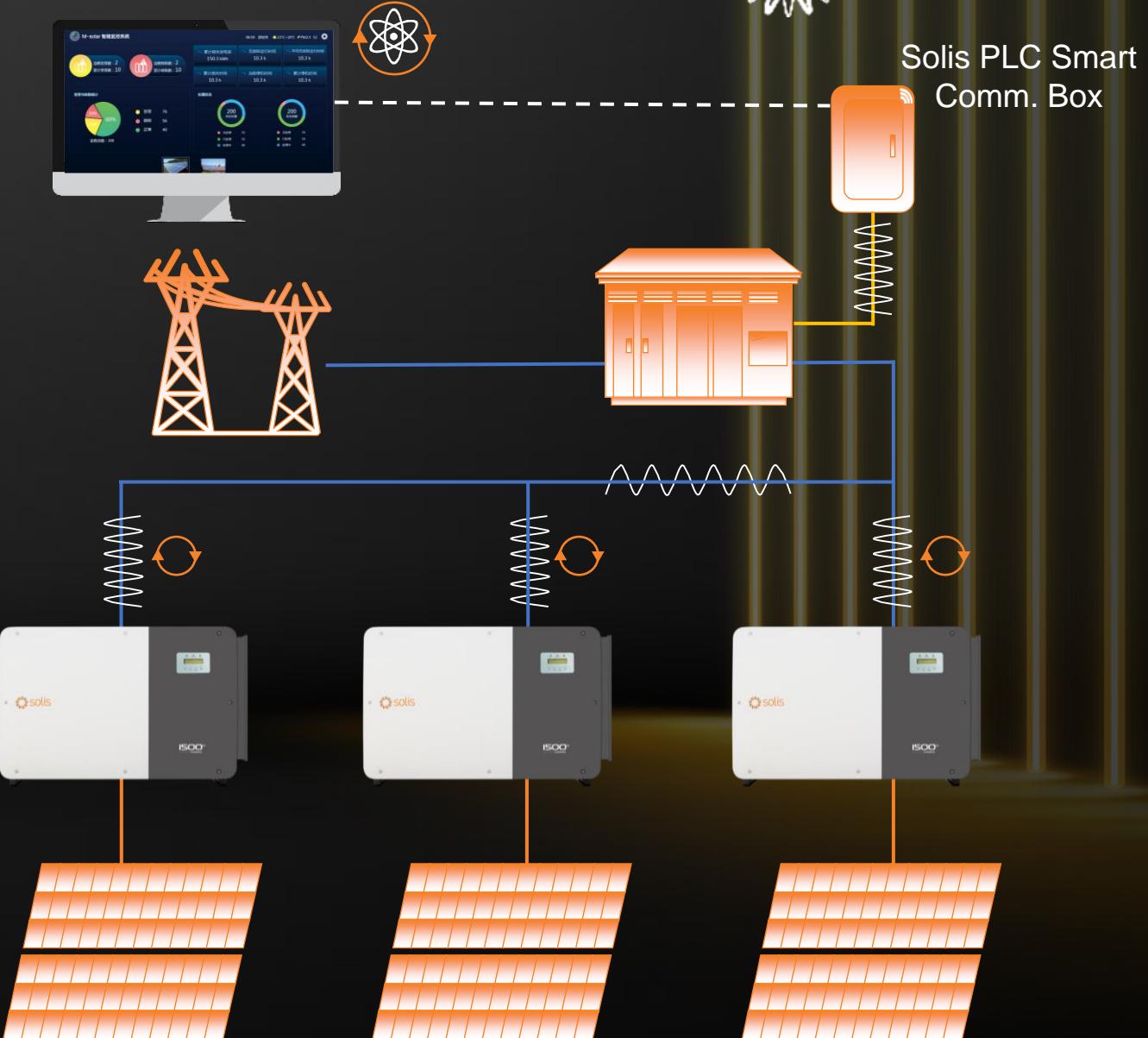
**Standard 1.3:1 DC/AC ratio
with current modules and
maximum ratio up to 2:1**

**Ultra low starting and operation voltage
@ 620V and 600V**



Power Line Communication (PLC)

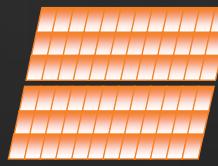
- Cable free communication
- Reliability & speed
- 10x speed of RS485
- Parallel communications



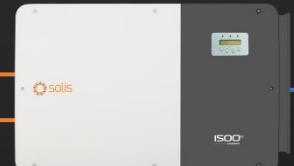
Storage Compatibility



PV system



PV Modules



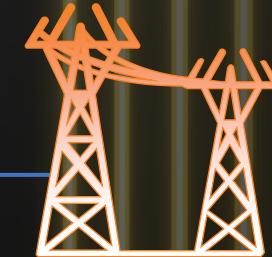
Solis String Inverter



AC energy storage system

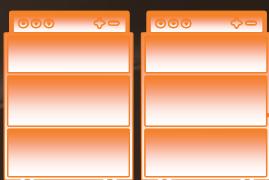


Transformer Station



Grid

DC energy storage system



Energy storage battery



DC/DC Converter
PCS

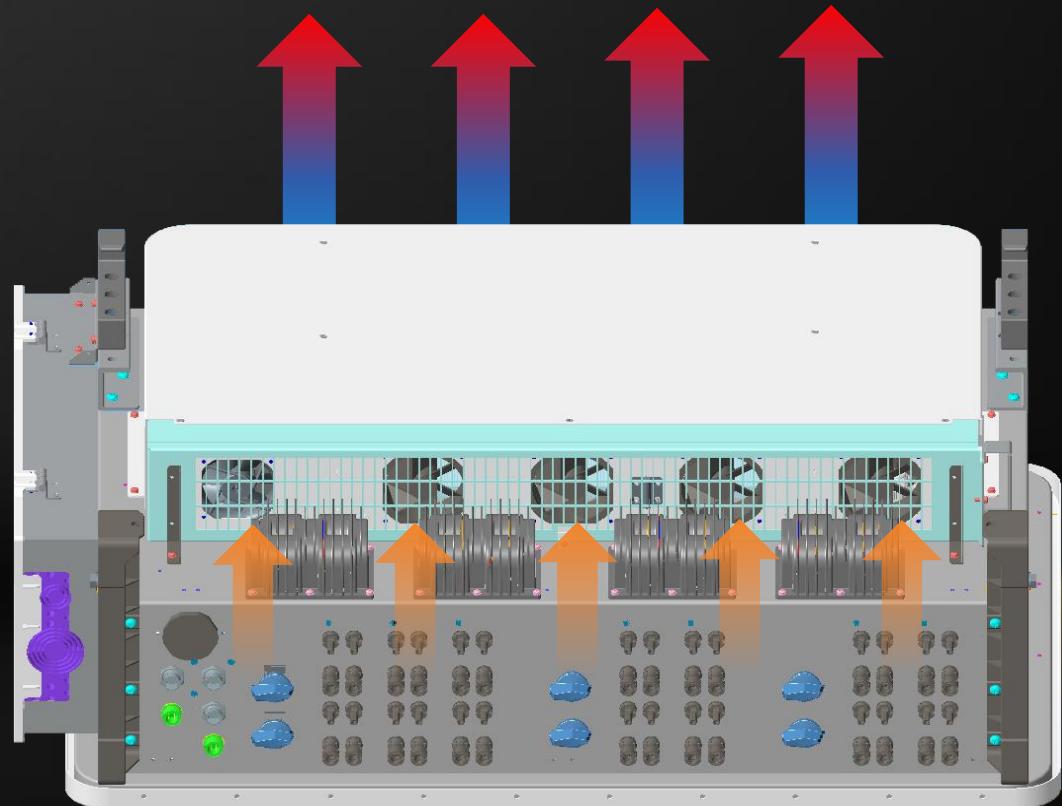


Benefit

- Integrated Energy storage functionality
- Easy expansion to energy storage, without need to transform the entire power plant

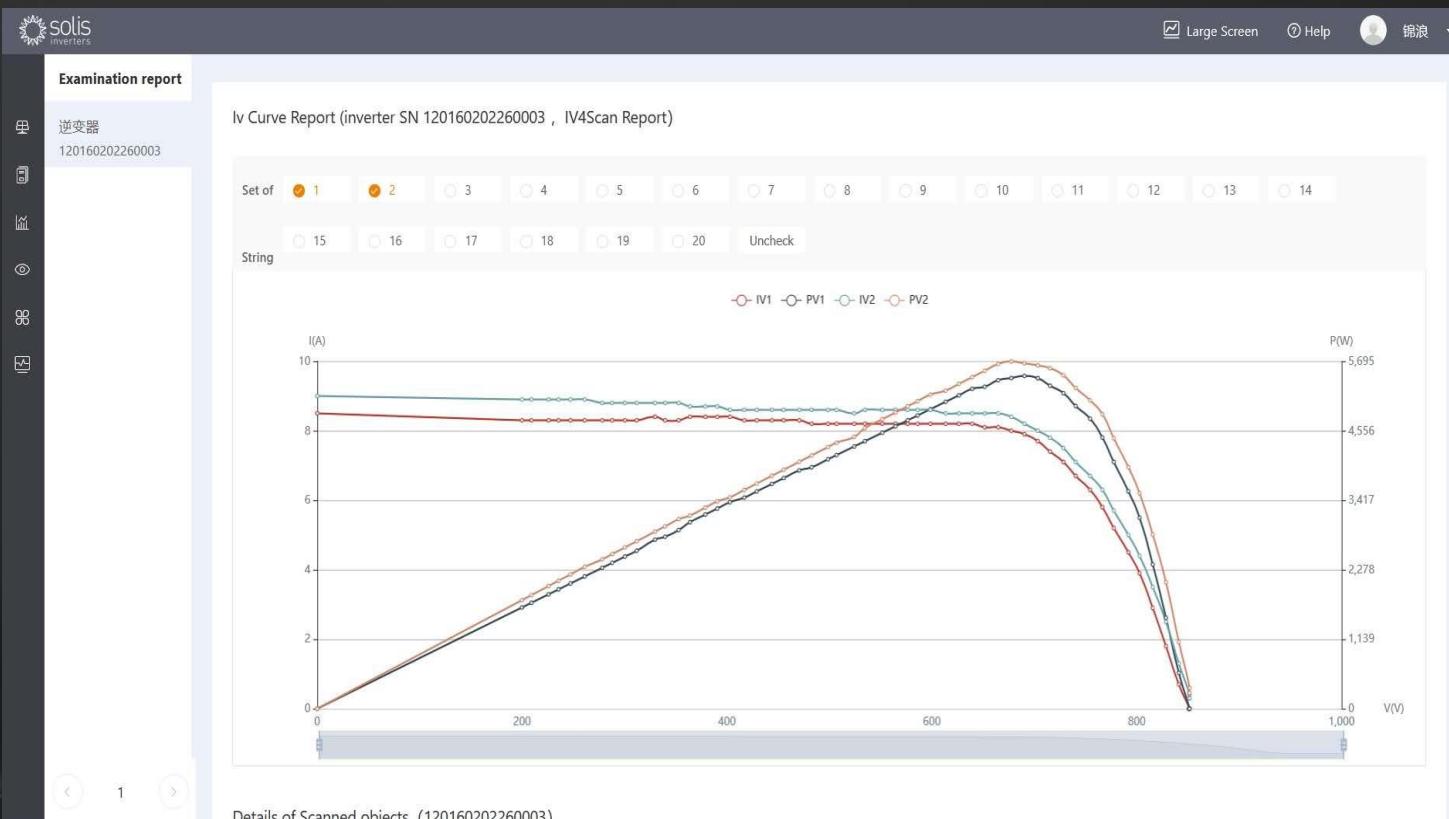
Maintenance Free O&M with High Temperature & Environmental Tolerance

- Highly efficient cooling design with redundant fan control.
- 60C max operating temperature
- Primary cooling: convection cooling
- Secondary cooling: weather-proof active fan with 70,000 hours lifespan
- 25-years maintenance free





Smart I-V curve scanning to improve O&M efficiency



One-key
online scanning

Non-stop
No power loss

Efficient
Time Saving

Solis 1500V 255kW – The New Era In PV Evolution



Reduce cost of CAPEX

Improve OPEX

Smart O&M

Available Globally