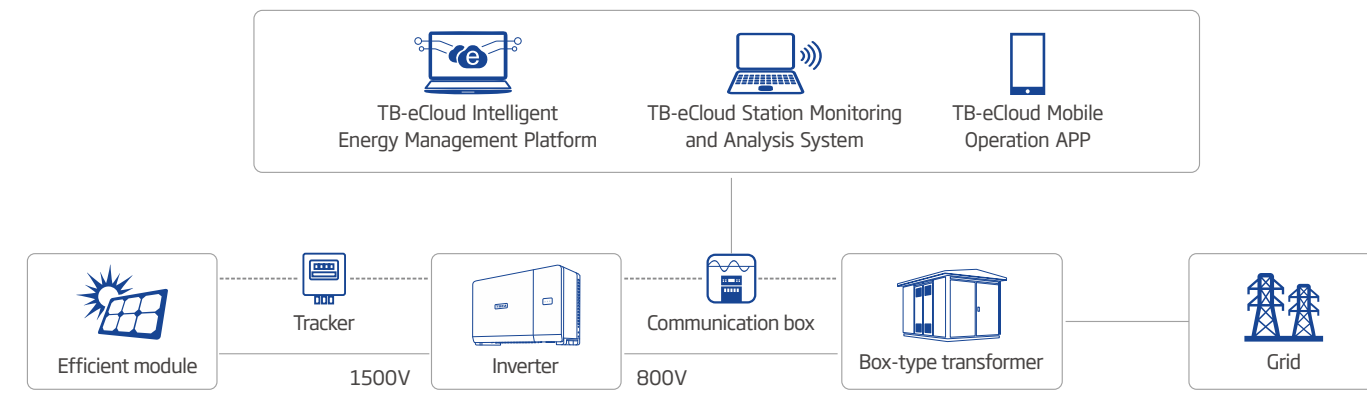


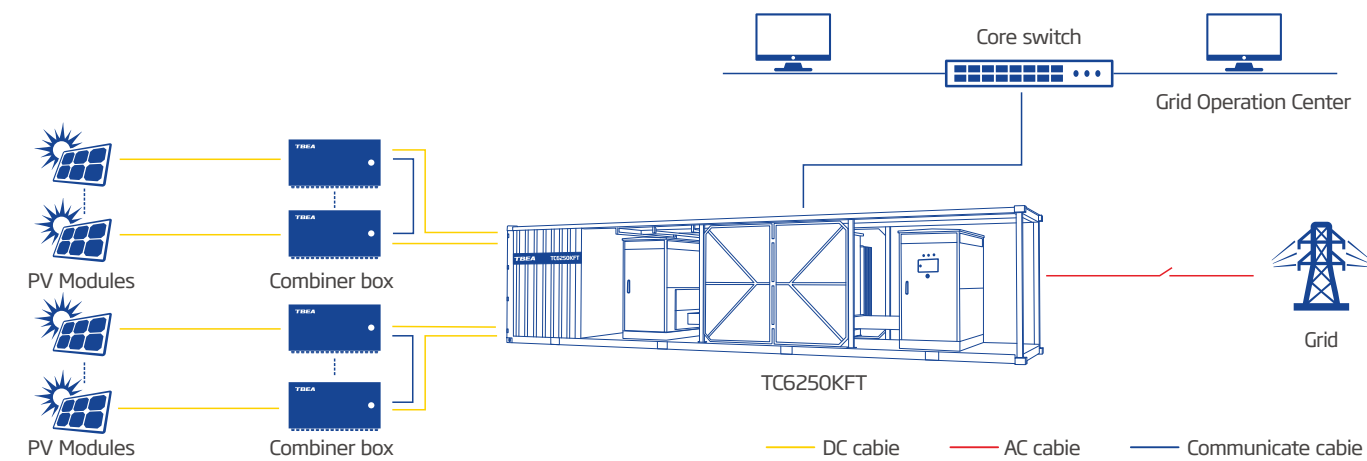
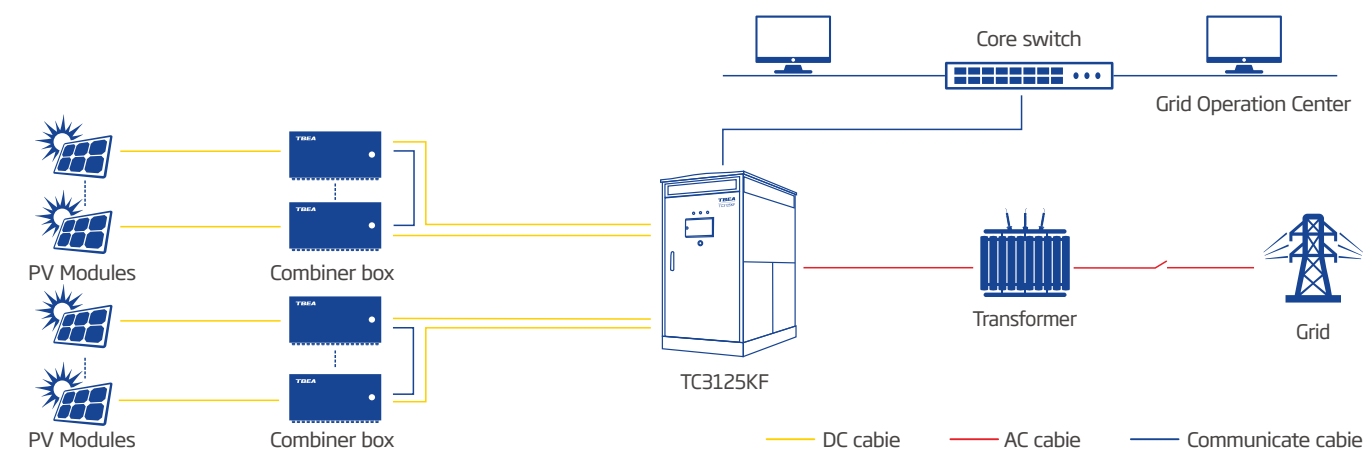
1500V String Inverter Solution

System diagram for solution



1500V Centralized Inverter Solution

System diagram for solution



Project References

CGN Guizhou 40MW Mountain PV Power Station



SPIC Weinan 100MW Photovoltaic Front Runner Project



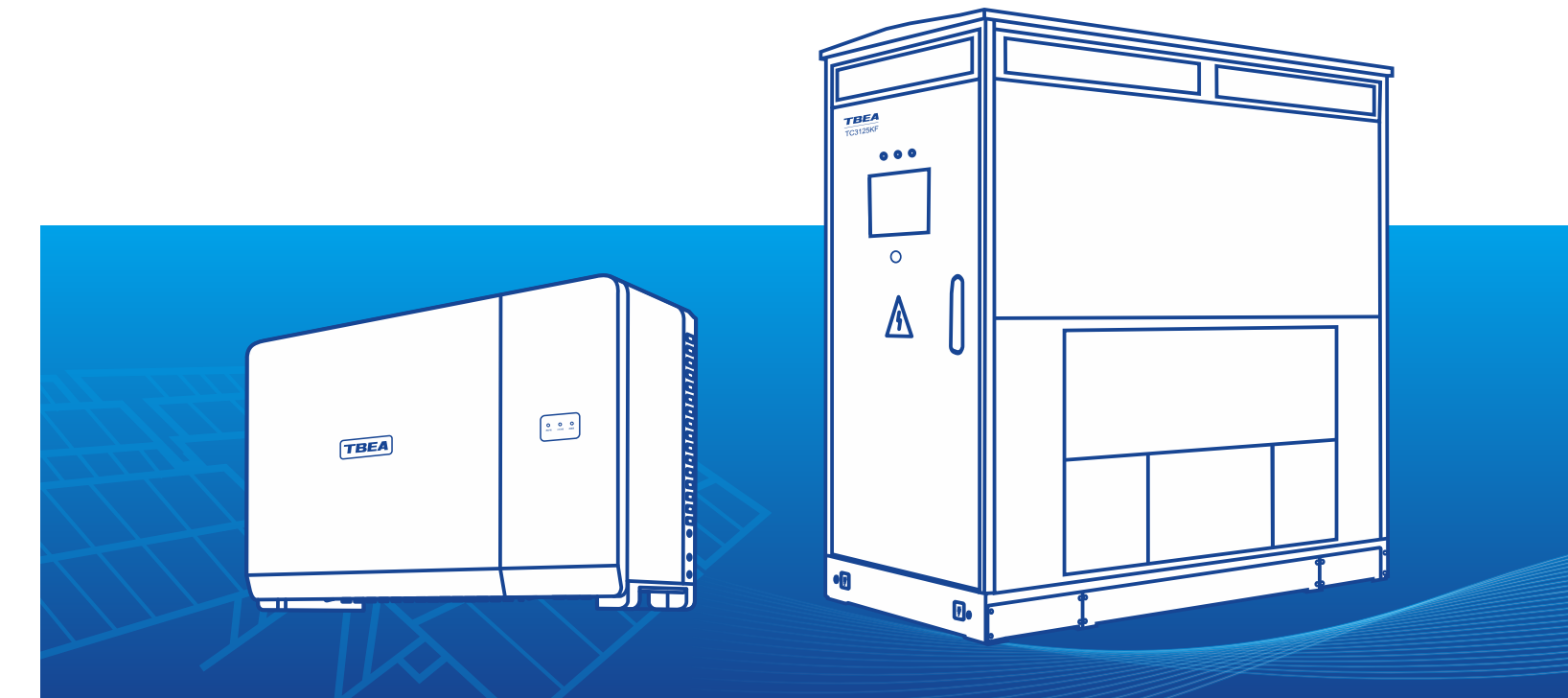
CGN White City 160MW Photovoltaic Front Runner Project



Jiangxi Poyang Lake 120MW fishery solar hybrid photovoltaic power station



TBEA 特变电工



PV Grid-Connected Inverters

TBEA XI'AN ELECTRIC TECHNOLOGY CO.,LTD.

Add: No.70, Shanglinyuan 4th Road, High-tech Zone, Xi'an, China (710119)

Tel: +86-29-68760666 **Customer Service Line:** 400-606-6029

Website: <http://en.tbeaenergy.com/>



Facebook QR Code



LinkedIn QR Code



Company Website

▶ 1500V TS208KTL-HV



- 12 MPPT, Y+1 wiring, maximum 36 inputs
- Non-fuse design, higher safety and reliability
- DC/AC Ratio upto 1.7, greatly increases the efficiency and ROI of the power station.
- PV-array anti-PID function
- Night SVG function with DC side isolated
- Protection level IP 66 , anti-corrosion C5 , minimum operating temperature -40°C , adapt to extreme environment with salty-mist, corrosion, humidity, low temperature
- Refined string detection achieves no blind zone , intelligent IV diagnosis
- Flexible communication with RS485/PLC/Wifi

Model	TS208KTL-HV
Max. DC voltage	1500V
MPPT voltage range	550V ~ 1500V
Independent MPPT number	12
Max. Input number of PV strings per MPPT	3
Nominal AC active power	208kW
Max. AC apparent power	240kW
Max. AC current	173A
Nominal AC voltage	800Vac, 3W+PE
IP protection	IP66
Cooling method	Smart forced air cooling
Communication	RS485 / PLC(optional)
Dimensions (W×H×D)	1200mm*800mm*320mm

Application scenarios: Large-scale surface PV station, Mountain PV station

▶ 1500V TC3125KF



Efficient power generation

With I-type three-level topology, maximum efficiency is greater than 99.05%, European efficiency is greater than 98.7%

Environmental adaptability

Overall protection level IP65, optimally suited to extreme ambient conditions

Model	TC3125KF
Max. input voltage	1500V
MPPT voltage range	900V ~ 1500V
MPPT voltage range at nominal power	900V~ 1300V
No. of MPPT trackers	2
Nominal AC output power	3125kVA
Max. AC output power	3438kVA@45°C, 3594kVA@25°C
Max. AC current	3150A@45°C, 3294A@25°C
Rated grid voltage	630V
Communication	RS485 / Ethernet
Dimension (W*H*D)	2230mm*2300mm*1155mm

Application scenarios: Large-scale surface PV station, Mountain PV station

▶ 1500V 6250KFT



Efficient power generation

With I-type three-level topology, maximum efficiency is greater than 99.05%, European efficiency is greater than 98.7%

Environmental adaptation

Large array, Saving upfront investment, Copper bar connection reducing the difficulty and cost of construction on site

Continuous power generation

Supporting 1.8 times DC/AC power ratio at most, 1.15 times overload long-time operation

Model	TC6250KFT
Max. input voltage	1500V
MPPT voltage range	900V ~ 1500V
MPPT voltage range at nominal power	900V~ 1300V
No. of MPPT trackers	4
Nominal AC output power	6250kVA
Max. AC output power	7188kVA
Nominal AC current	103 A
Rated grid voltage	35kV
Communication	RS485 / Ethernet
Dimension (W*H*D)	2438*2896*12192mm (Except Inverter) , 2438*2896*2991mm (Inverter)

Application scenarios: Large-scale surface PV station, Mountain PV station