

Leading C&I Solution

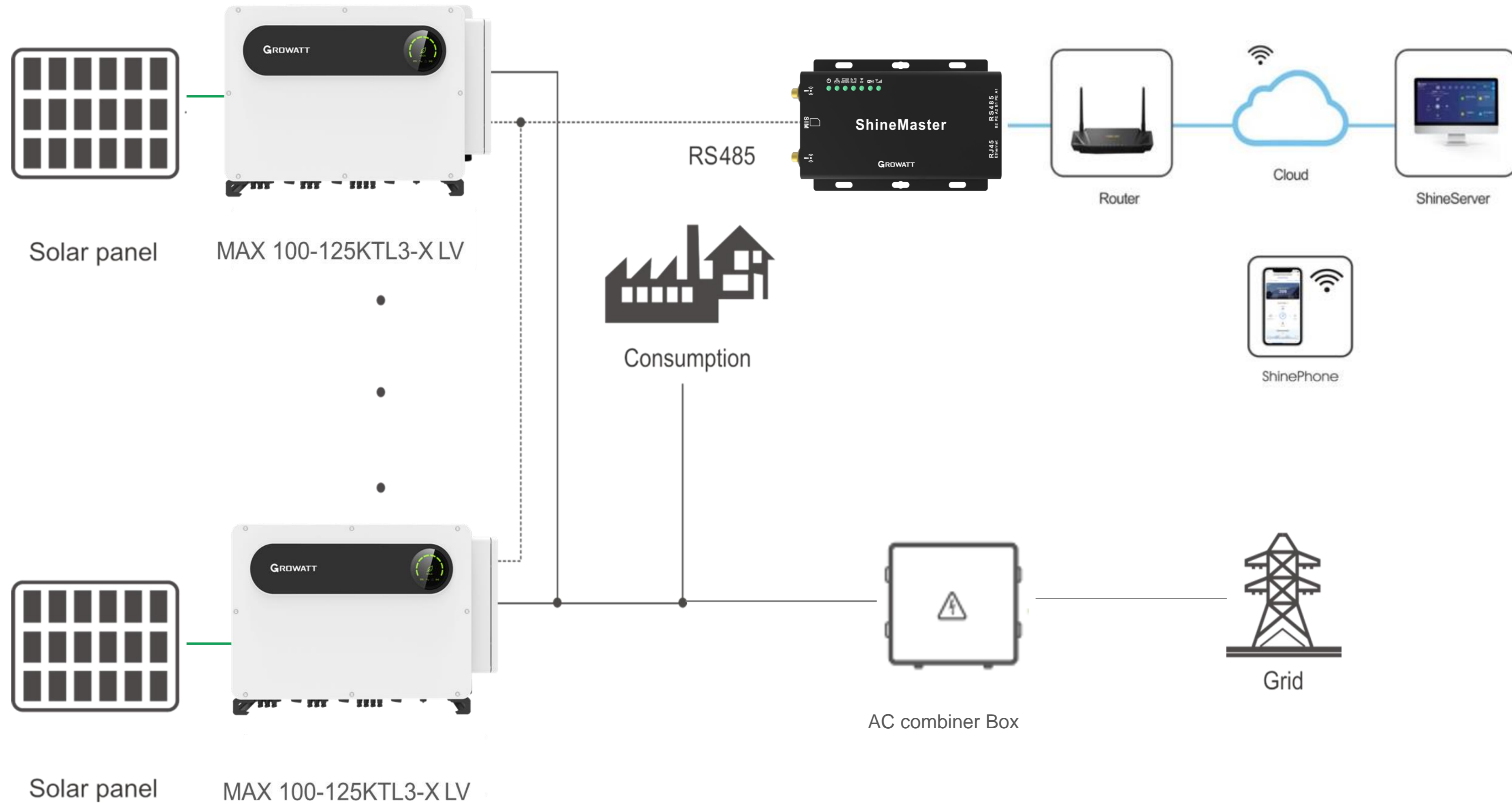
MAX 100-125KTL3-X LV Introduction



SHENZHEN GROWATT NEW ENERGY CO.,LTD

GROWATT

C&I PV Solution Overview



Meet What You Need



Higher Yields

Max. efficiency 98.7%

String current 16A, compatible with high power modules

10 MPPTs, 20 strings per inverter

Build-in PID recovery function (opt.)



Safe and Reliabe

Fuse free design

IP66 protection degree

Type II SPD on DC&AC side

Active ARC protection (AFCI)



Optimal Electricity Cost

Max. 125kW/unit, less units need

Support AI cable, reduce cable cost

PLC communication (opt)



Smart

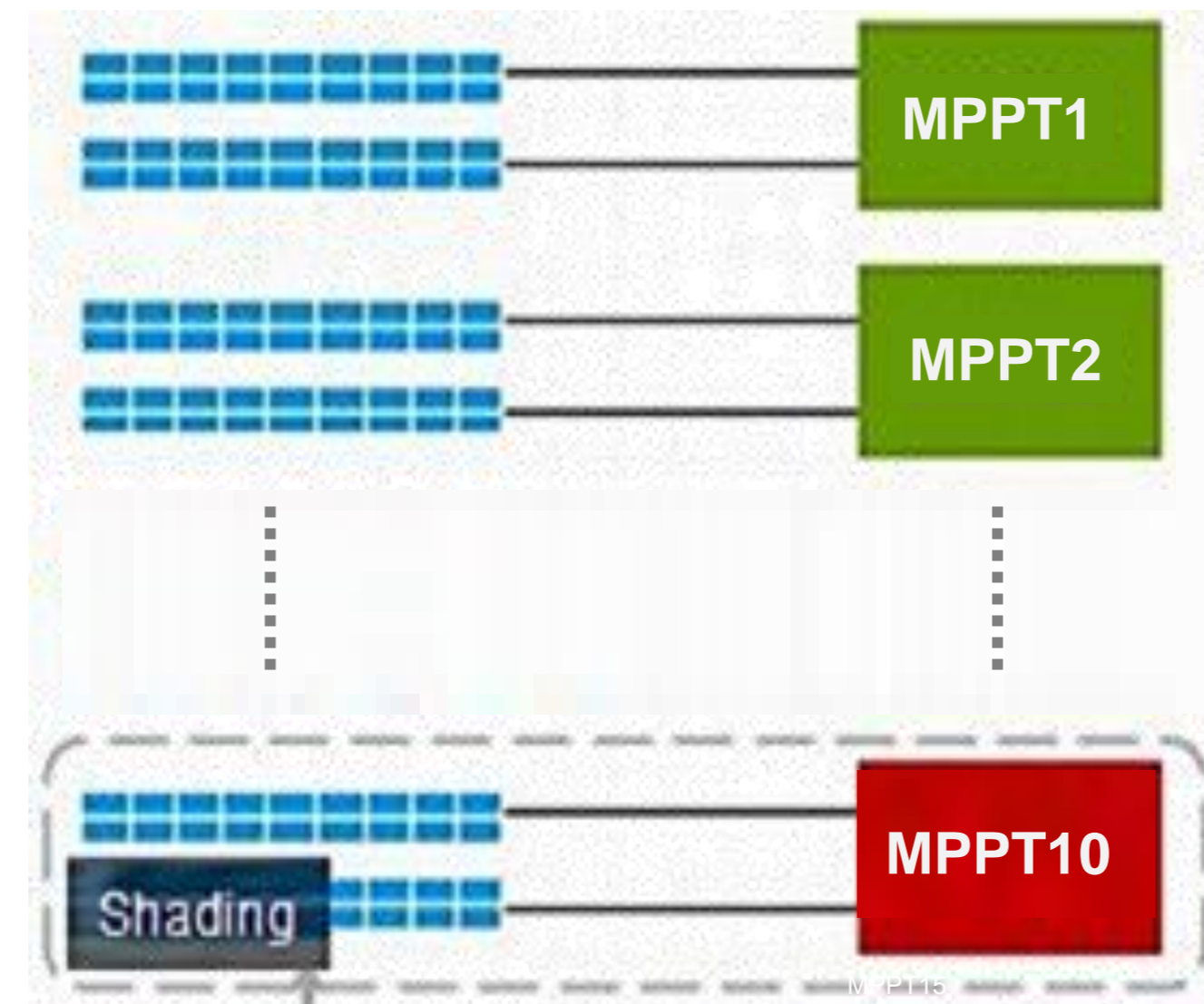
Intelligent string monitoring

Smart IV curve scanning

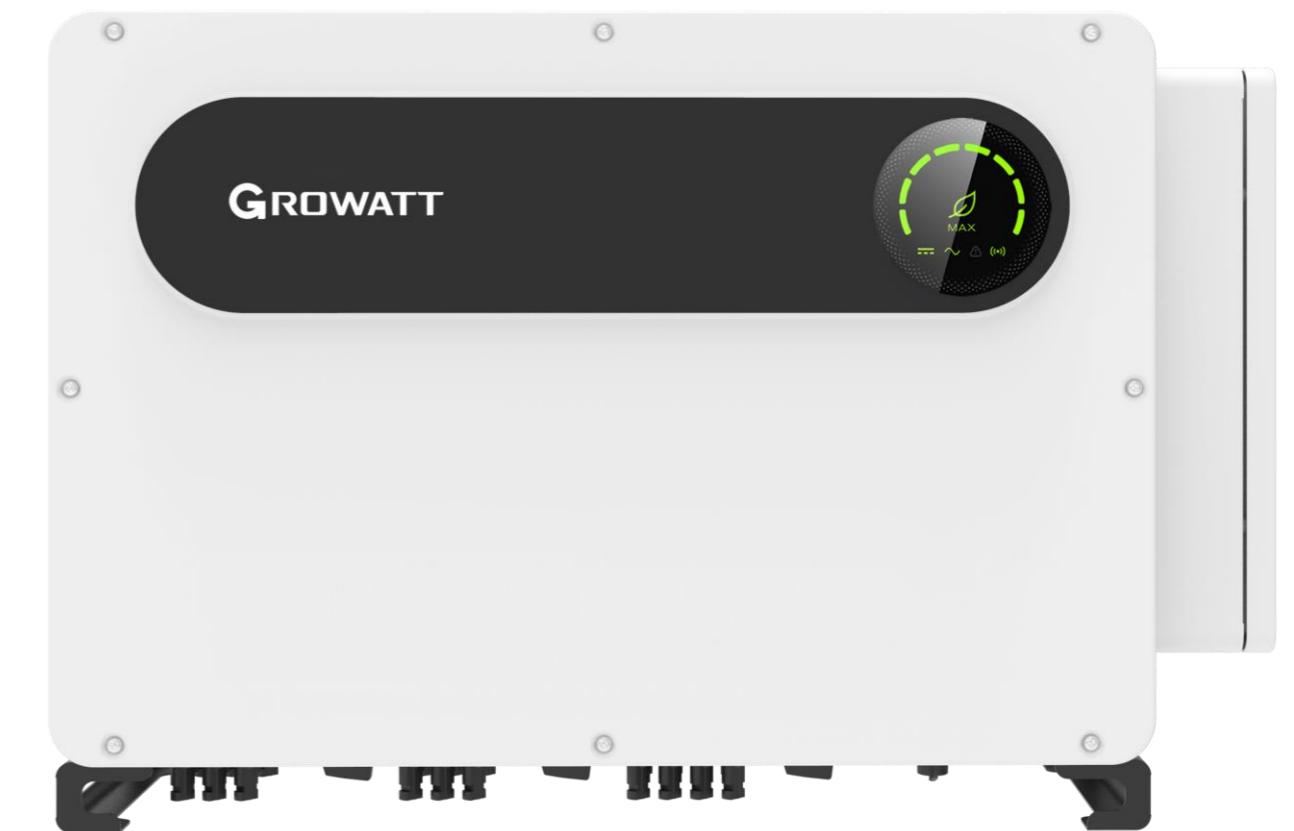
One-click-diagnosis

Remote online maintenance

Multiple MPPTs, More Energy Yields



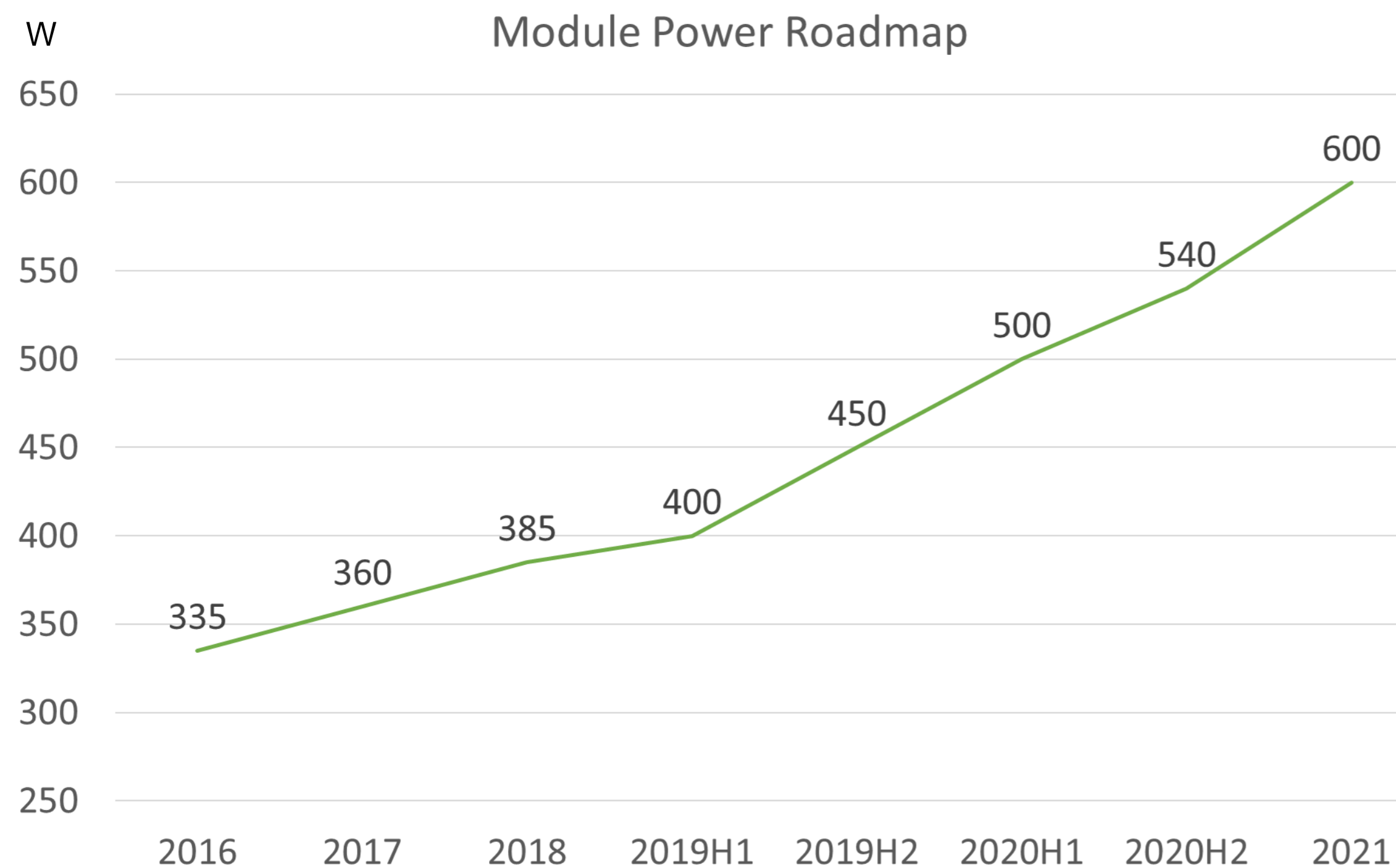
50% loss for one MPPT of 10
Lead to 5% loss



MAX 100-125KTL3-X LV

- 10 MPP trackers, versatile adaptations to different layouts, minimize string mismatch
- 2 strings per MPPT, 20 strings with intelligent string monitoring
- 1MW system with 80 MPPT trackers, 160 strings

High Compatible with Different Panels



General Information	Cell type	166mm	182mm	210mm
	Cell No.	72C	72C	50C
	Technology	Half-cut	Half-cut	1/3 cut cells
Monofacial Module	Max. Module Power	455W	540W	505W
	Max. Imppt	11A	13A	11.6A
Bifacial Module (15% increase)	Max. Module Power	520W	620W	580W
	Max. Imppt	13A	15A	13.3A

16A string current, compatible with 500W+ high power modules

Safe and Reliable



Active Arcing Protection (AFCI*)

Type II SPD on DC&AC side

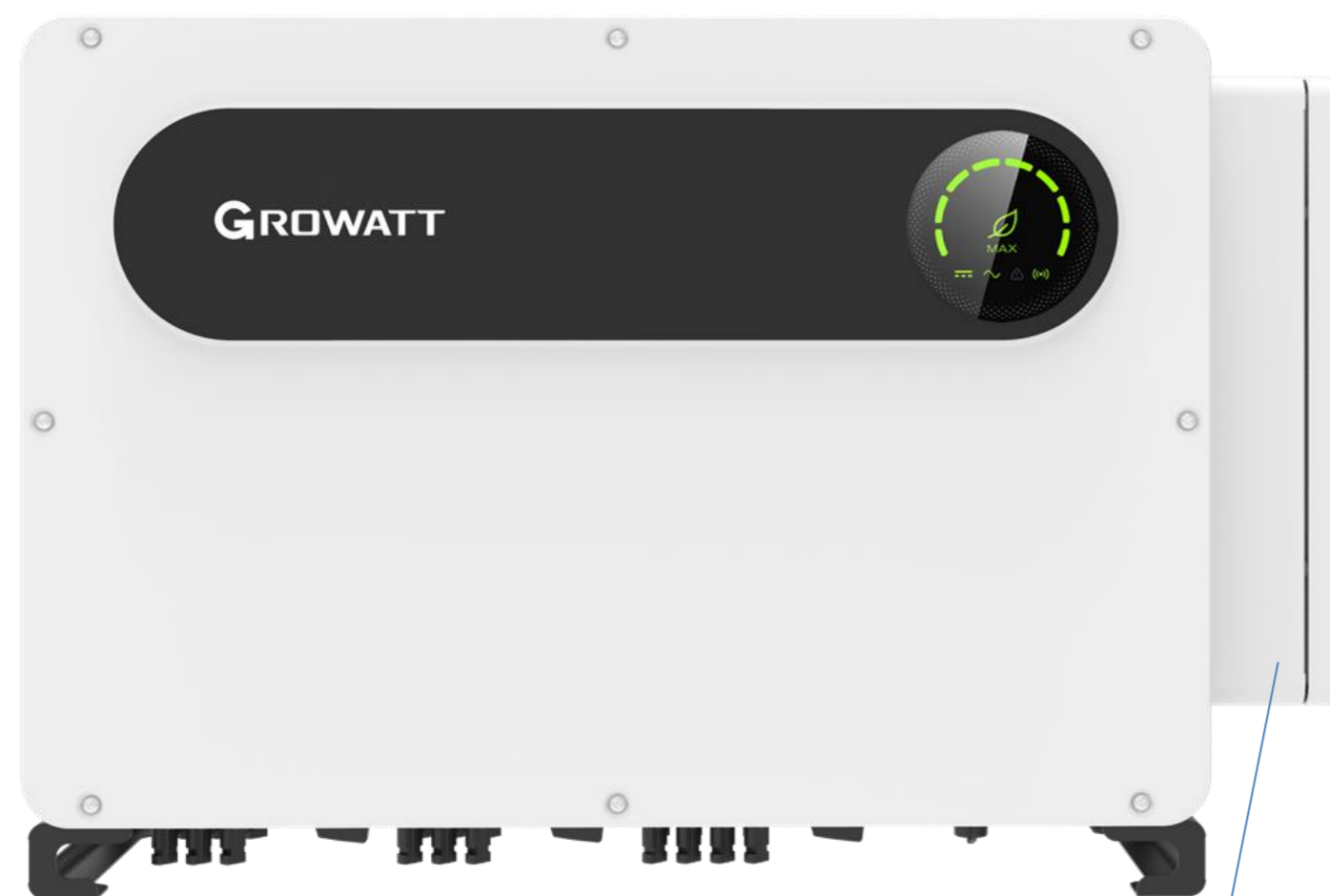
Fuse free design

Integrated DC Switch

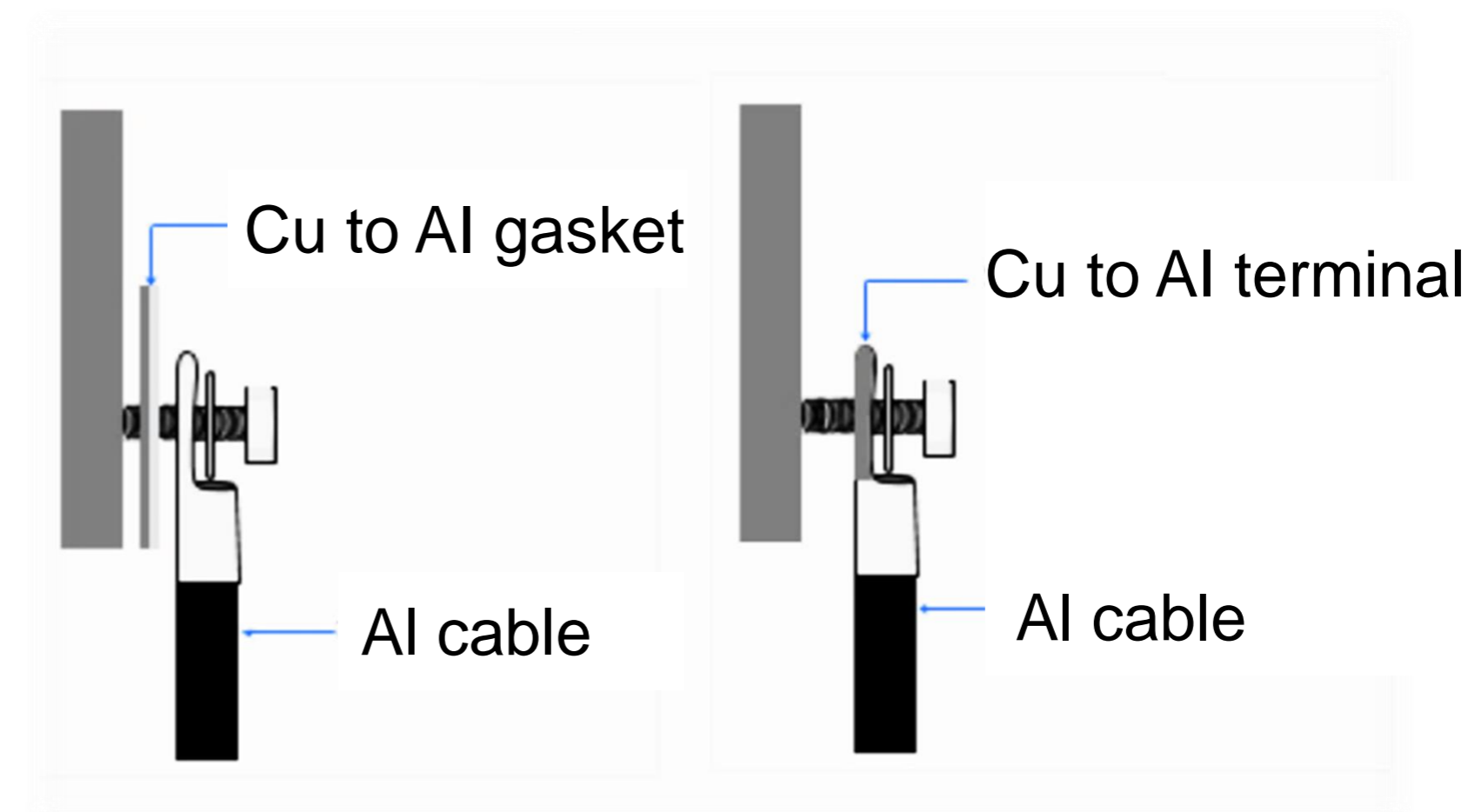
IP66 Protection

- AFCI -- Arc Fault Circuit Interrupter
- AFCI and Build-in PID recovery function are optional

Compatible with Al and Cu AC cables



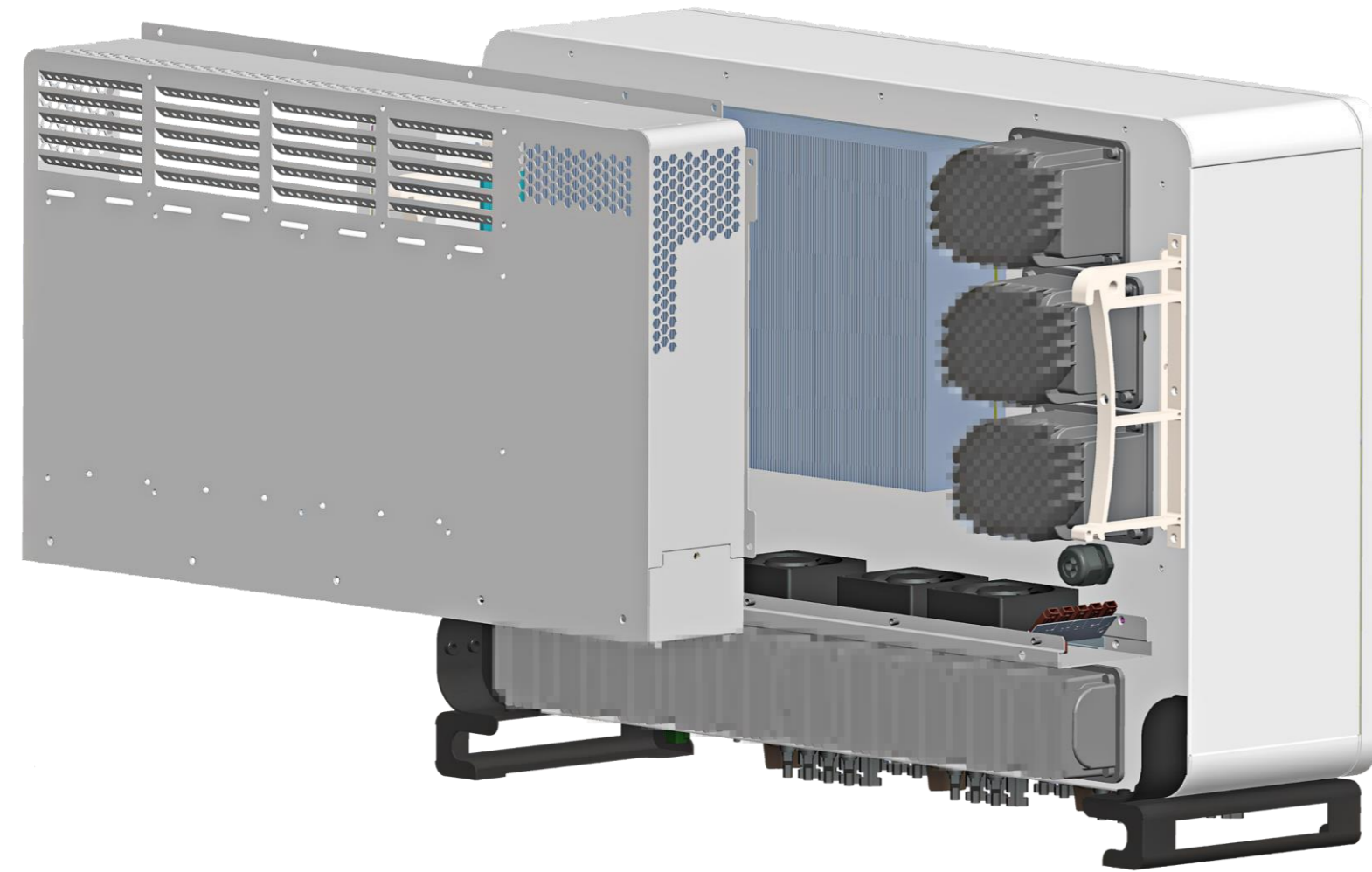
240mm²



Model	Max. AC cable size
MAX 100-125KTL3-X LV	240mm ²

In large commercial projects, cables account up to 10% of the system cost, higher than inverters cost. Compatible with Al cable could reduce much BOS cost.

Leading Cooling Technology, More Energy Yields

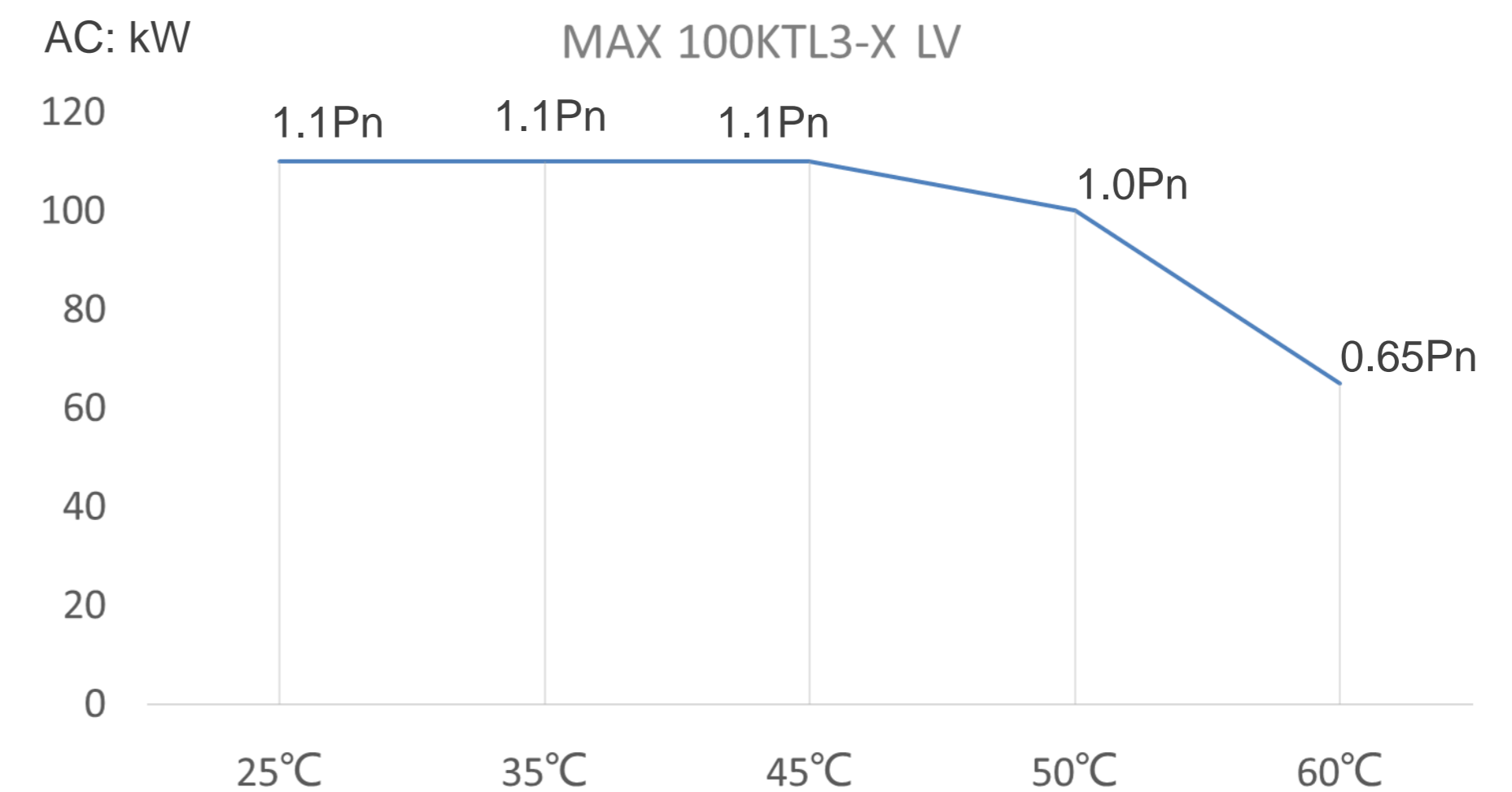
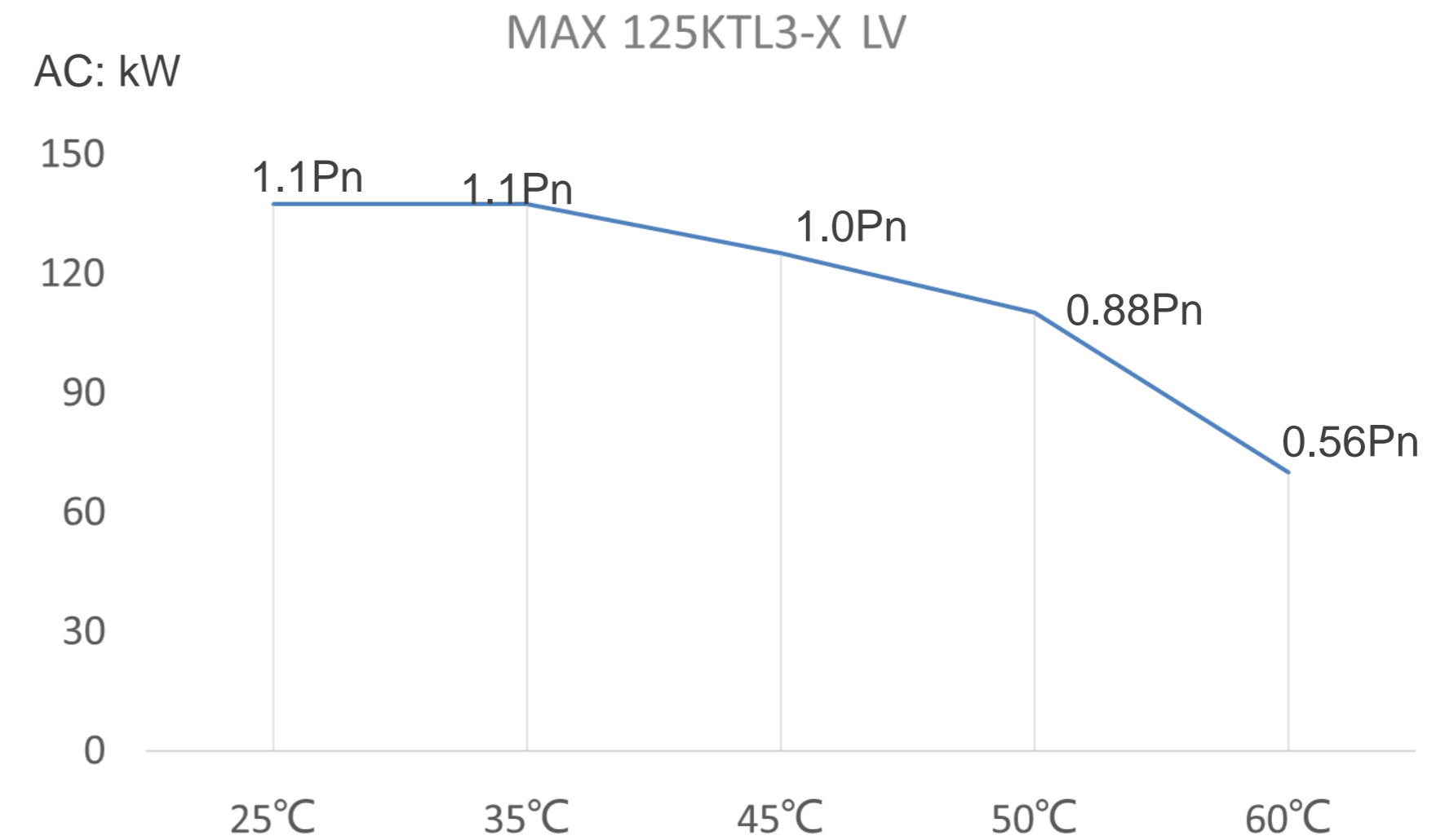


Rational airduct and layout design

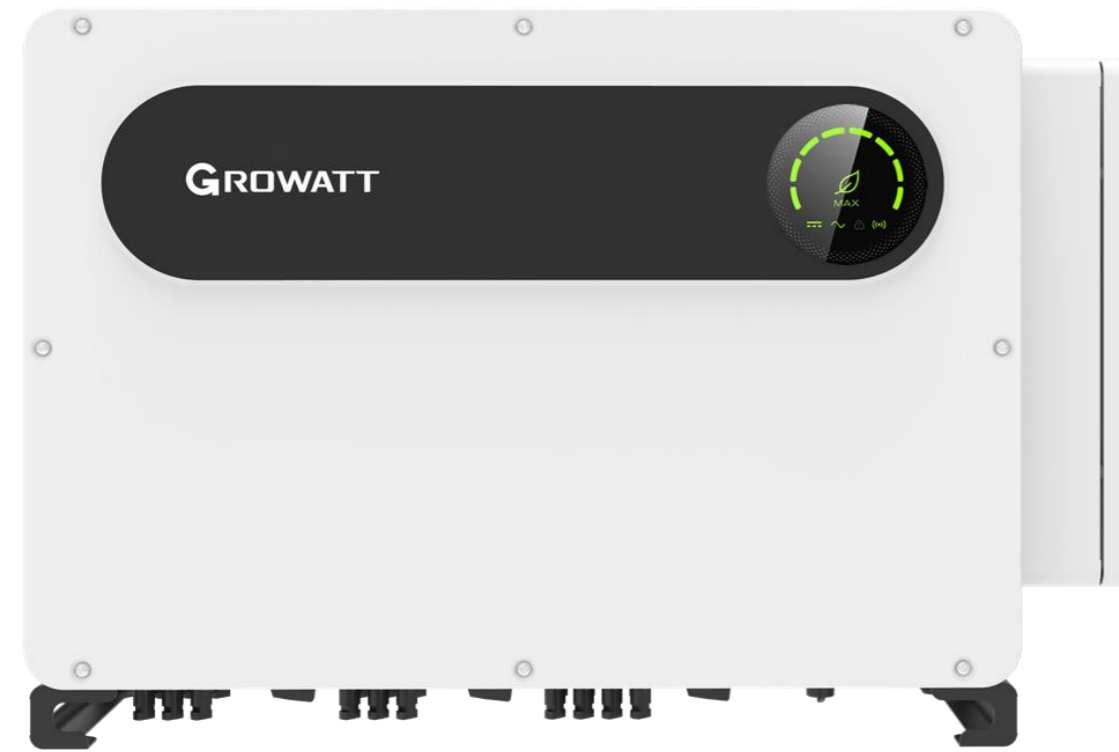
High-quality IP68 NBM fans

Smart fan speed control

Easy fan exchange on-site



Flexible System Configuration



MAX 125KTL3-X LV

Only 84kg, 970/640/345mm,
the highest power density in the market

Model	MAX 125KTL3-X LV 1100Vdc, 400Vac		
System size	250kW	500kW	1MW
No. of Inverter	2	4	8
No. of MPPT	20	40	80

Monitoring Solution



ShineLAN-X

ShineWiFi-X/4G-X

ShineLink-X

ShineMaster

- Storage data max 30 days
- Plug & Play
- Up to 100m

- Storage data max 30 days
- Up to 50m
- Support remote service

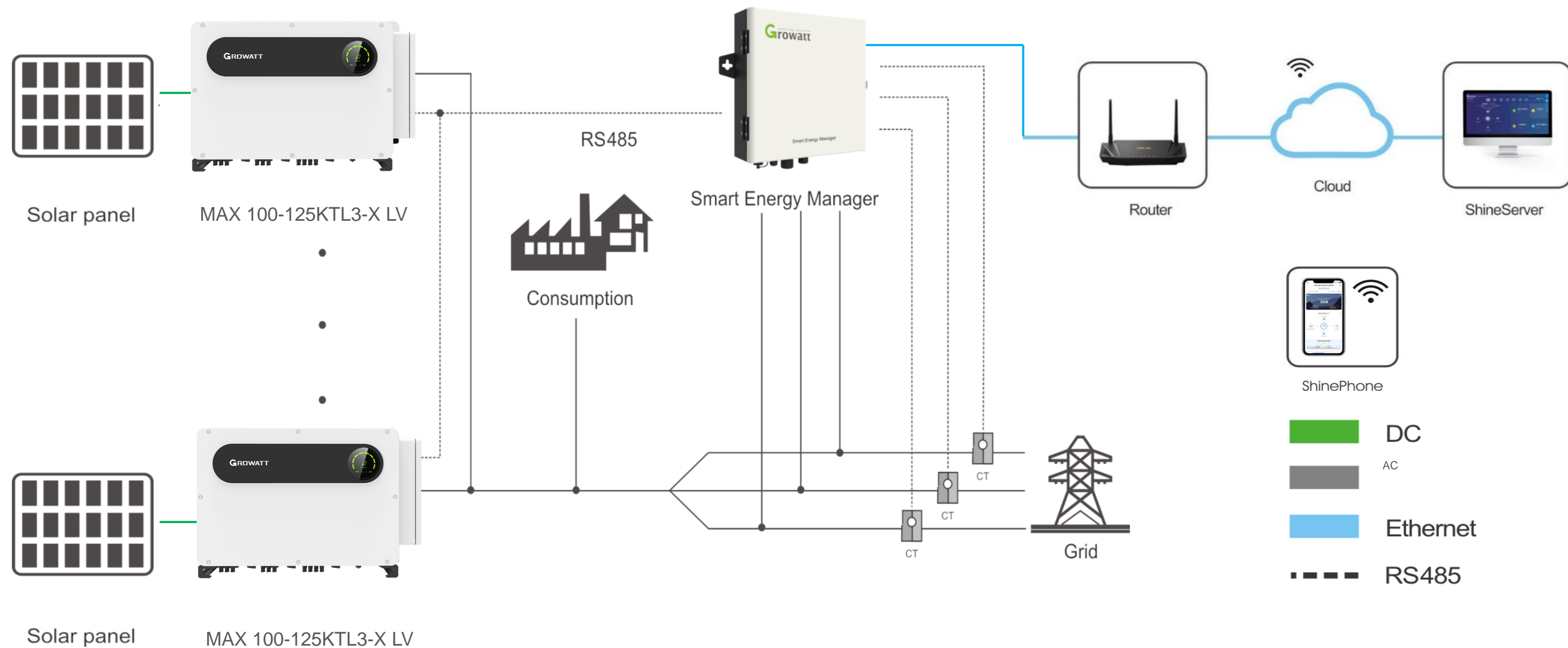
- Monitoring up to 8 inverters
- Storage data max 30 days
- Up to 120m
- Automatically acquire IP
- Support remote service
- RF communication

- LAN and 4G version
- Max. 64pcs inverter
- RS485 communication
- Storage data max 30 days
- Up to 500m
- Support remote service

Smart Management

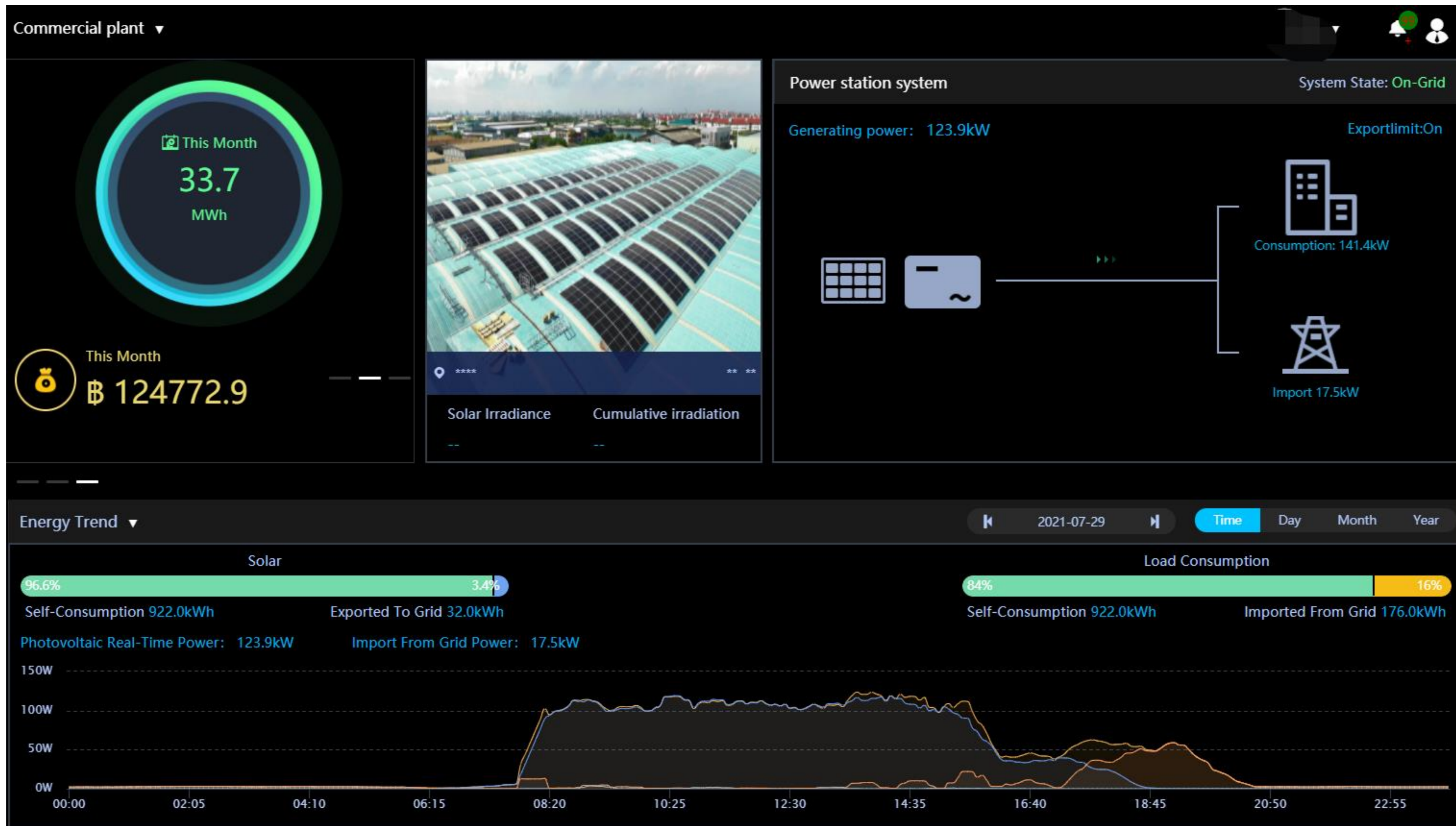
24h self-consumption monitoring

Dynamic export limitation

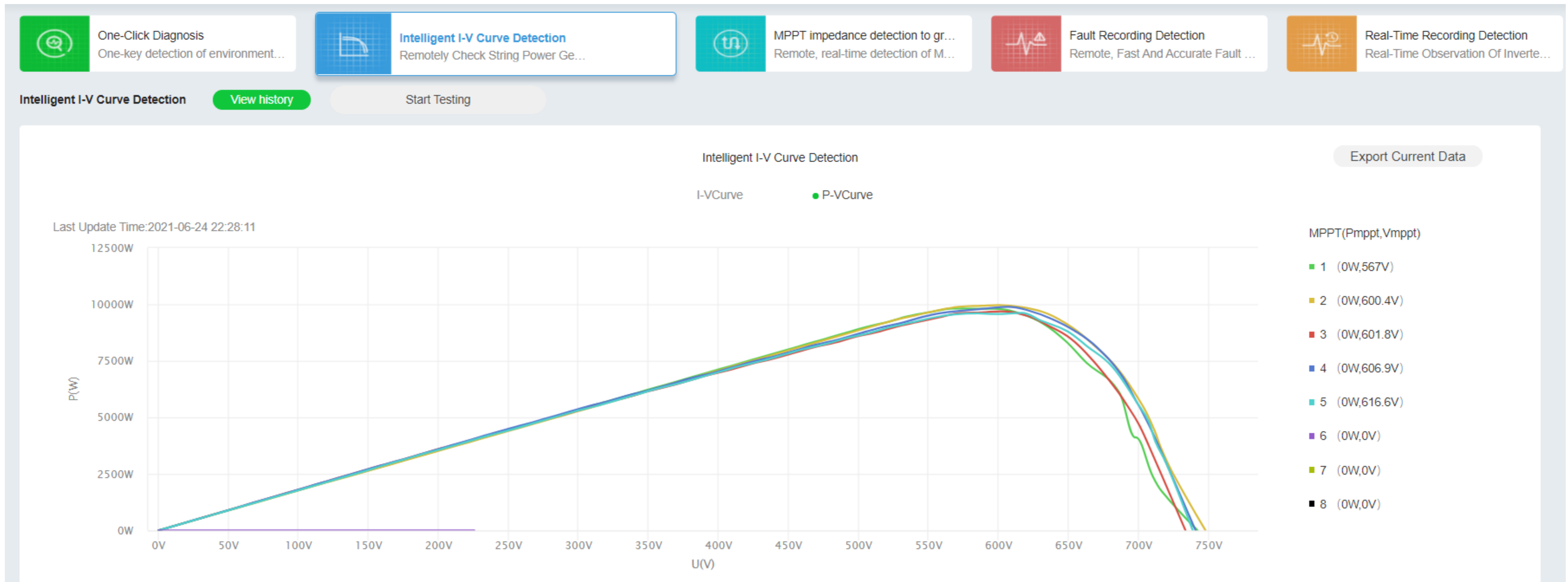


24H Self-consumption Monitoring

Growatt Smart Meter and monitoring device are required for single inverter system, SEM is for multiple inverters solution. Customer can see system overview, and also system self-consumption information.

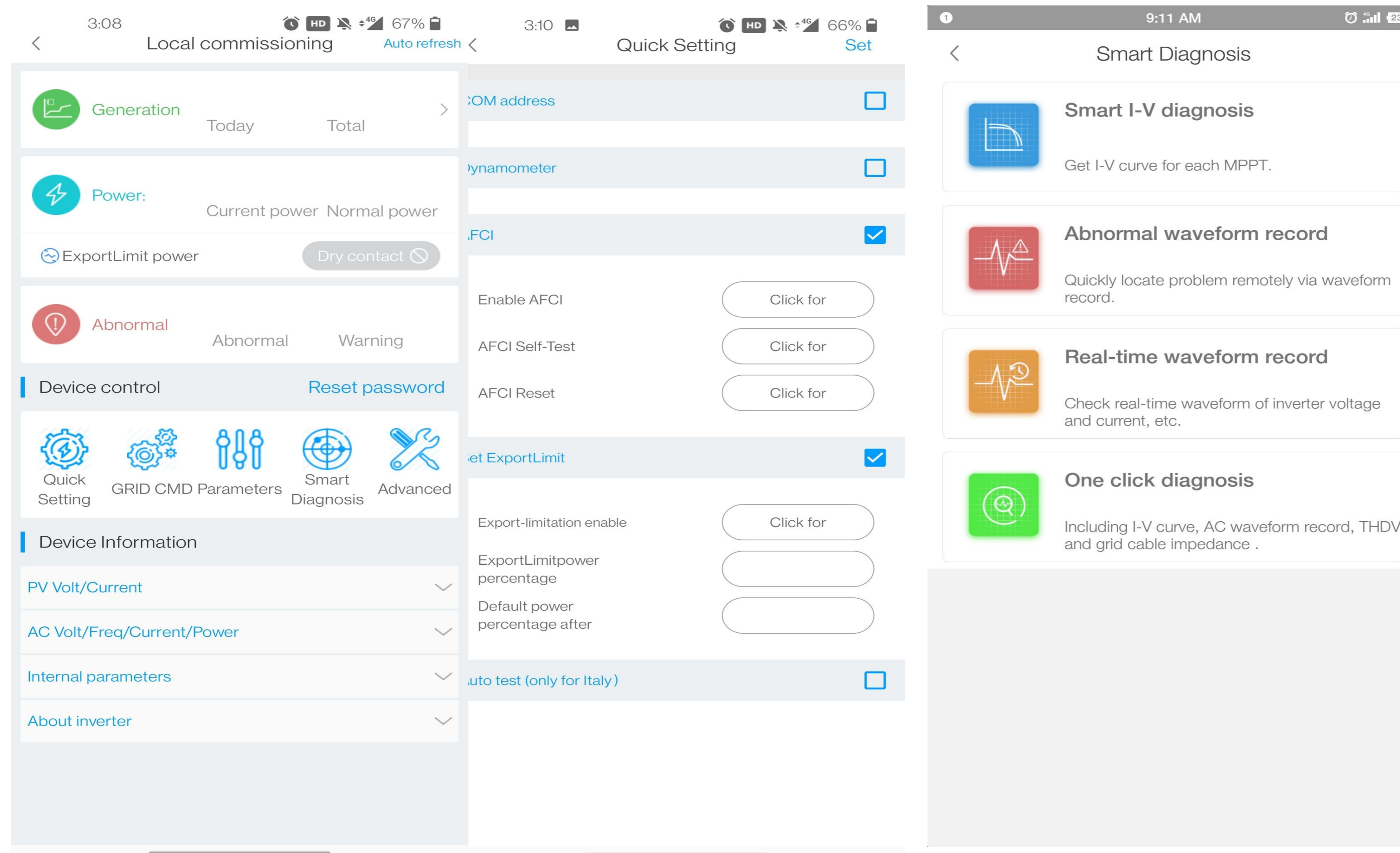


Online Smart Diagnosis



- One-click-diagnosis, no need professional people or equipment
- Accurate fault location and trouble-shooting guide

Local Commissioning with ShinePhone



USB-WiFi+ShinePhone
Make it more easier for local
commissioning

For example:
Turn on/off AFCl
Turn on/off export limitation
I/V curve scanning

Smart Maintenance

Fast and easy, saving cost and time, peace in mind.



Configuration via APP

USB-WiFi+ShinePhone App

Online Smart Service

Remote Firmware upgrade

Remote diagnose and configuration

Project Reference



500KW Solar Rooftop, Netherlands



500KW Solar Rooftop, Netherlands

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1MW Solar Rooftop Netherlands



3MW Ground Mounted Project in Vietnam



5MW Ground Solar Plant in Ukraine



Thanks!

www.ginverter.com

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