

GOODWE

CORPORATE INTRODUCTION



GOODWE
YOUR SOLAR ENGINE

YOUR SOLAR ENGINE



Reliability



Integrity



Credibility

01

Company Profile

About Us



3 R&D
Centers



200 R&D
Staff



130 Patents



2 Plants
(Suzhou & Guangde)



15 Hectare
Lands



12 GW Production
Capacity

Global Presence



About Us



ALL QUALITY MATTERS AWARD



red**dot** Design



Semiconductors - Part 1								
Component	max. measured T _{case} in °C	P in W (supplier data)	R _{thJC(A)} in °C/W	ΔT in °C	T _J in °C	T _{Jmax}	Result (permissible 90% derating)	
Q800	89						PASS	
Q801	89						PASS	
Q803	89						PASS	
Q804	91	11.90	0.43	5	96	175	55%	PASS
Q701	98	14.40	0.43	6	104	175	60%	PASS
D700	86							PASS
D701	82							PASS
D702	93(T _{amb} =78)	0.038	315(R _{thJA})	1	90	150	60%	PASS
D800	92	0W	216(R _{thJA})	0	92	175	50%	PASS
D801	87							PASS
D804	92(T _{amb} =79)	0.027	216(R _{thJA})	6	85	175	49%	PASS
D805	91(T _{amb} =79)	0.027	216(R _{thJA})	6	85	175	49%	PASS
D900	86							PASS
D901	94(T _{amb} =78)	0.007	216(R _{thJA})	1	80	175	6%	PASS
D902	96(T _{amb} =78)	0.103	62(R _{thJA})	6	84	150	56%	PASS
D903	94(T _{amb} =78)	0.190	216(R _{thJA})	41	119	175	68%	PASS
D904	99(T _{amb} =78)	0.405	62(R _{thJA})	25	103	150	69%	PASS

> 10 yrs

Lifespan Proved By VDE

PCB 190-00048-05

In accordance to the internal derating evaluation specification, all measured case temperatures of the tested semiconductors above can be passed if <90 °C

VDE
GLOBAL SERVICE

PV Inverter-Reliability Test

GoodWe GW3000-NS

Release 1.0

Reliability Test Report – PV-Inverter – Goodwe Power Supply Technology Co.,LTD – GW3000-NS – Release 1.0			
Customer	Goodwe Power Supply Technology Co.,LTD	Contract #	V211166
Supplier	Goodwe Power Supply Technology Co.,LTD	Email	thomas.frank@vde.com
Date	2015-May-07	Phone	+49-821-80883-14
VDE Global Services Augsburg GmbH www.vdegs-augsburg.com		D-1118-C Page 26 of 69	

ALL QUALITY MATTERS AWARD

 TÜVRheinland®
Precisely Right.



2018

ET Series , DSS Series
Storage Solutions



2017

SBP Series
AC-coupled Retrofit



2016

MT Series , DNS Series
On-grid Inverters



2015

ES Series
Hybrid Inverter



CONSECUTIVE
YEARS

IHS MARKIT

Global **Three-Phase** String Inverter Supplier

TOP 4



GOODWE
YOUR SOLAR ENGINE

02

Product & Feature



ON-GRID INVERTERS

Single Phase

Three Phase

NS
1 MPPT



GW1500-NS
GW2000-NS
GW2500-NS
GW3000-NS

DNS
Dual MPPT



GW3000D-NS
GW4200D-NS
GW5000D-NS

MS
3 MPPT
NEW!



GW5000-MS
GW6000-MS
GW7000-MS
GW8500-MS
GW10k-MS

SDT
Dual MPPT



GW4000-DT
GW5000-DT
GW6000-DT
GW10KL-DT
GW15KN-DT

DT
Dual MPPT



GW20K-DT
GW25K-DT

SMT
Three MPPT
NEW!



GW25K-MT
GW29.99K-MT
GW36K-MT

MT
Four MPPT



GW50K-MT
GW60K-MT
GW80K-MT NEW

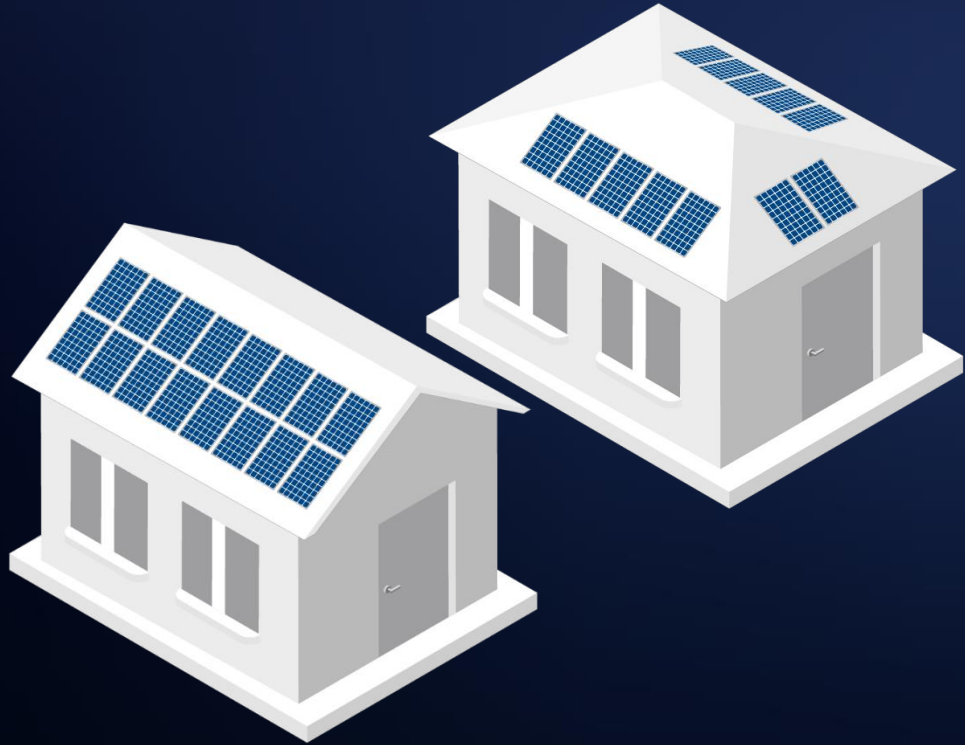


Residential Solutions

NS, DNS, MS, SDT

- LCD Screen
- WIFI/ RS485/ LAN Communication
- **33%** Maximum PV Oversizing
- Inbuilt export control
- Remote Serviceability via Screen & Cloud
- Approved Inbuilt DC Isolator
- **5+5** Warranty DNS, MS.

Flexibility, Simplicity & Added Functionality



- ✓ Easy installation
- ✓ Friendly design on limited wall space
- ✓ Potential built in DC switch
- ✓ Installation Flexibility
- ✓ 3 MPP Trackers for rooftops with multiple orientations



STORAGE INVERTERS

Single Phase

Three Phase

ES/EM
50A/100A Hybrid LV

SBP
AC Retrofit LV

EH
Hybrid HV
NEW!

BH
AC Retrofit HV
NEW!

ET
High Voltage



GW3048-EM

GW3600S-BP

GW36000-EH

GW3000-BH

GW5K-ET

GW5048 - EM

GW5000S-BP

GW5000-EH

GW3600-BH

GW10k-ET

GW5048-ES

GW6000-EH?

GW5000-BH

GW6000-BH



Energy Storage Solutions

ES, EM, ET, SBP, BH, EH

- Complete Storage Solutions Portfolio
- UPS Functionality
- All Meters & Accessories Provided
- Inbuilt Backup
- Up to **100%** Overload Capability
- Natural Cooling
- Large Charge/Discharge current

03

New Products

XS Series

Single Phase, Single MPPT

1.5/2/2.5/3kW



- World's smallest string inverter- A4 size
- Less than 5KG
- 33% DC Input Oversizing
- Lan & WIFI communication
- Reduces stock & shipment cost
- Extremely low start up Voltage 50V
- Release date -



MS Series

Single Phase, 3 MPPT

5/6/7/8.5/10kW

- Most comprehensive single phase range
- Only 3 MPPT Single Phase inverter
- Flexible system design
- Inbuilt export control
- 100% Oversizing capability
- Inbuilt DC Isolator
- 5+5 Warranty

SMT Series

Three Phase, 3 MPPT

25/29.99/36kW

- 3 MPPT Commercial inverter
- Large Max DC Input V
- Allows for more panels per string
- Wide MPPT Range 200-950V
- 50% Oversizing capability
- Inbuilt DC Isolator



MT Series

Three Phase, 4 MPPT

80kW

- 4 MPPT Commercial inverter
- 16 inputs (4 per tracker)
- Display default, optional without
- Wide MPPT
- 50% Oversizing capability
- No combiner boxes needed





EH Series

Single Phase, HV Hybrid

5kW

- Flexible hybrid Ready design
- Inbuilt DC Isolator
- Upgradable via activation code
- 33% Oversizing capability
- Meter & CT's provided (Hybrid)
- UPS back up function capability

04

SEMS Monitoring Portal

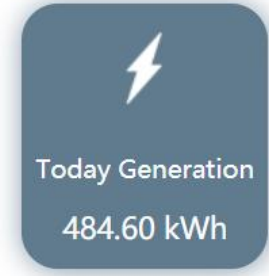
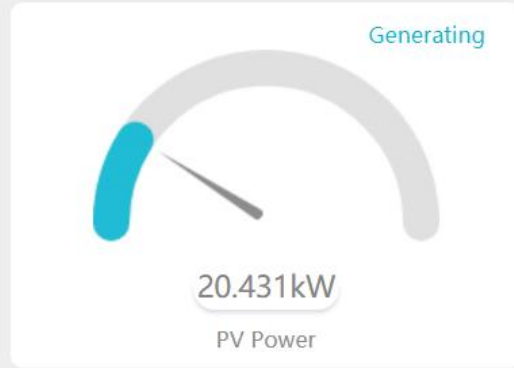
ALL-IN-ONE MONITORING & COMPREHENSIVE VISUALIZATION

The live and archived data from any PV power plants in a particular account can be called up and graphically displayed.








Commercial Plant 5

🔍 Please enter plant / SN / Email ↗



Created: 12/26/2018
 Classification: Ground-Mounted
 PV Capacity: 114.84kW
 Location: not open to the public

Today	Wednesday	Thursday	Friday	Saturday
32°	26/32°	25/32°	25/32°	26/31°
				

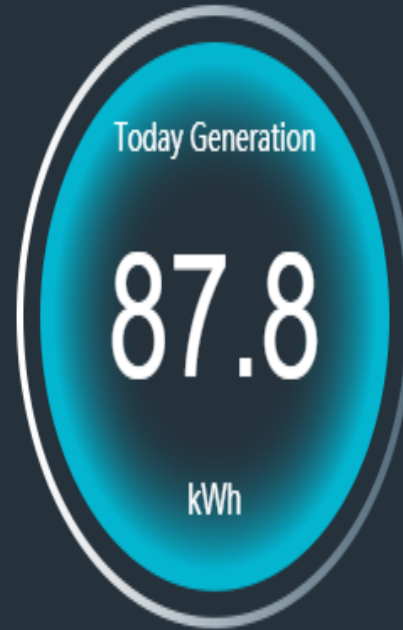


[Commercial Plant 5](#)



9050KMTS185W0062

Model	GW50K-MT	
S/N	9050KMTS185W0062	
Checkcode	039557	
Capacity	50.0	kW
Connected	12/26/2018	
Power	16.93	kW
AC Voltage	236.8/227.6/217.9	V
AC Current	25.9/25.6/25.8	A
AC Frequency	49.97/49.97/49.96	Hz



 Total Generation
43973kWh

Generating

 Total Hours
2277hour

Inner Temperature	55.4	°C
DC Voltage/Current1	492.8/9.8	V/A
DC Voltage/Current2	510/8.8	V/A
DC Voltage/Current3	591.1/6.1	V/A
DC Voltage/Current4	590.9/6	V/A
String Current1	3.2/3.2/3.1	A
String Current2	2.8/2.9/2.9	A
String Current3	2.9/3.1	A
String Current4	3.1/2.8	A

Curve >

How to achieve export control



Single Phase System



Three Phase System



Commercial & Industry



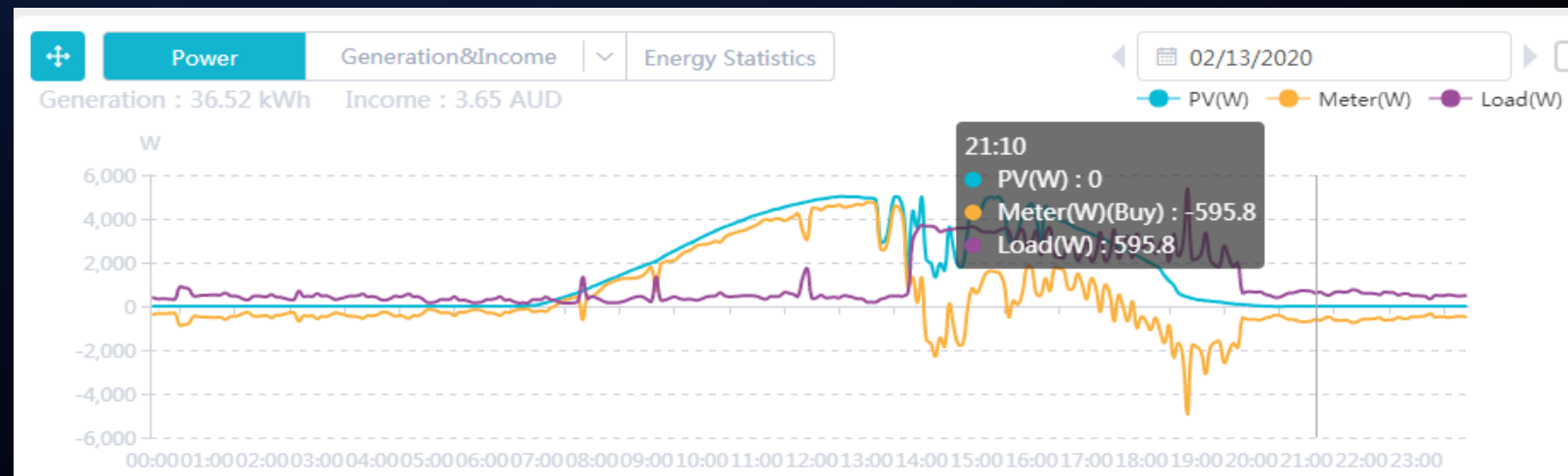
Accessories



Home Kit

Single Phase Consumption Monitoring

- Compatible with all solar systems
- 24 hours of load consumption monitoring
- Offering LAN and WiFi communications
- 4 poles on DIN rail



06

Local Support

GoodWe Local Service Network

To offer better service to customers, we have developed GoodWe's unique **THREE level service partner networks** to cover most areas in Australia

- **Level ONE:**

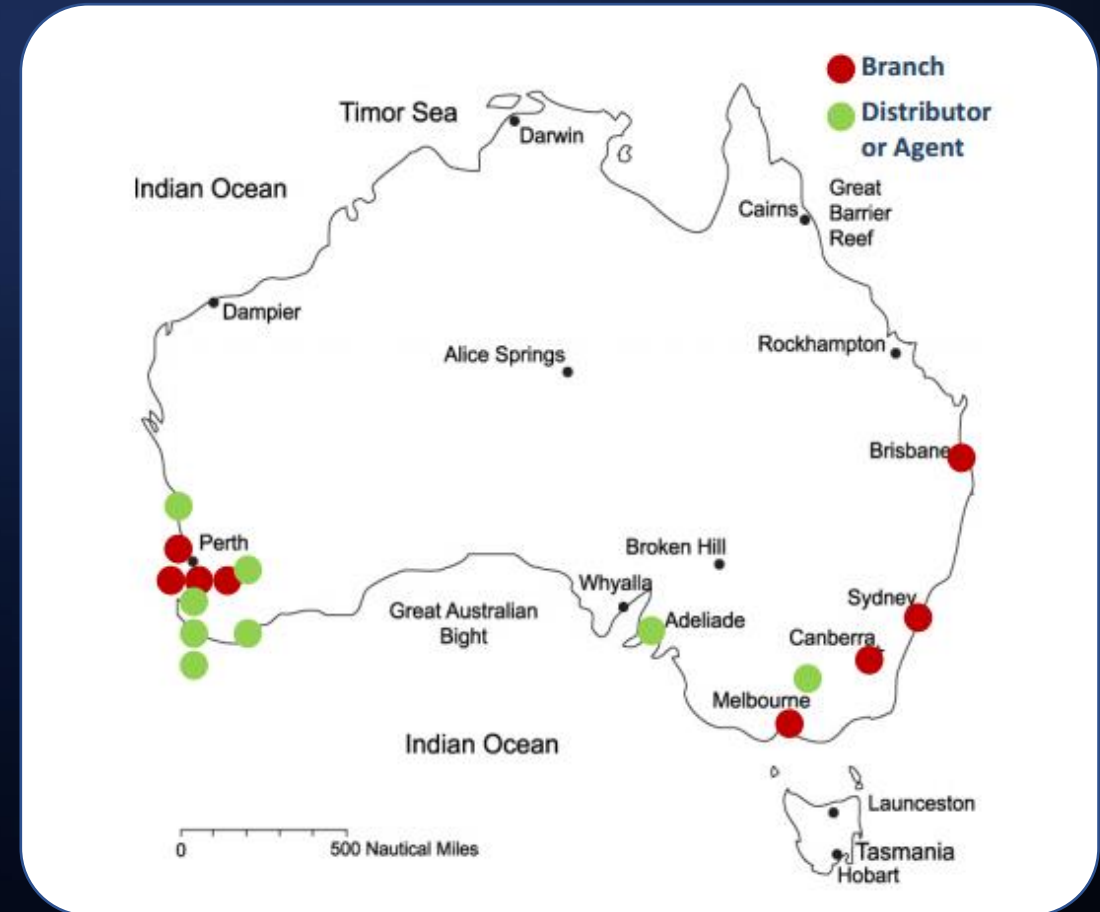
Service my solar – which is the national service company who could cover all major cities service

- **Level Two:**

Local service partners in SYD, MEL, BNE, ADE, PER, CAN, Townsville, Rockhampton etc.

- **Level Three:**

Registered installers for rural area across Australia





2020
THANK YOU

GOODWE, GOOD CHOICE