Bring The Sun Home

Comfort and savings with our residential inverters

www.goodwe.com

GOODWE
YOUR SOLAR ENGINE

DRIVING TOGETHER TO A GREEN FUTURE

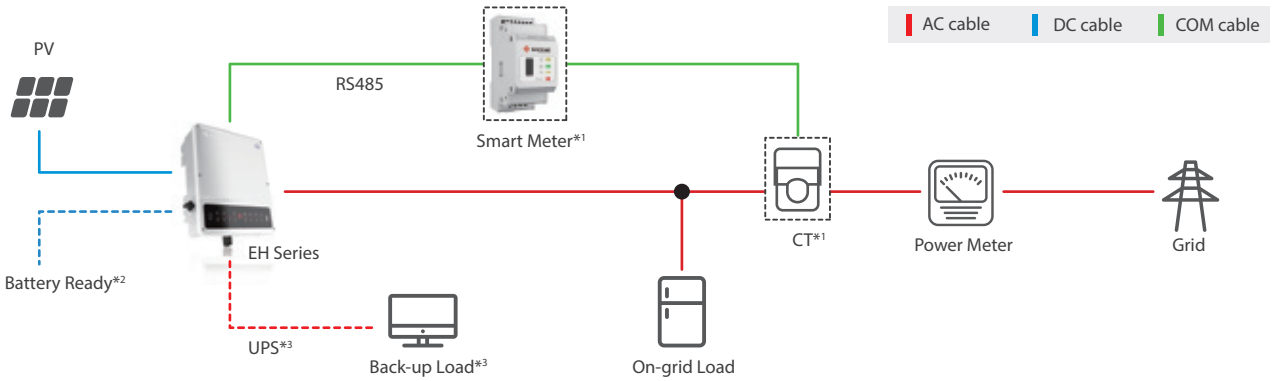
- Start-up Voltage @40V
- Highest Efficiency up to 98.6%
- 92% Up to 92% DC Oversizing
- 10% 10% AC Overloading
- Built-in Export Limit Function
- Compatible with Double-glass Bifacial Modules

GoodWe Battery Ready Application

EH Series

GoodWe EH series inverter is a single-phase hybrid inverter with its storage function reserved. It's sold as a grid-tied inverter, meanwhile it's a true hybrid inverter in terms of hardware.

- Real-time load status monitoring with GoodWe smart meter
- Adjustable power-limit function



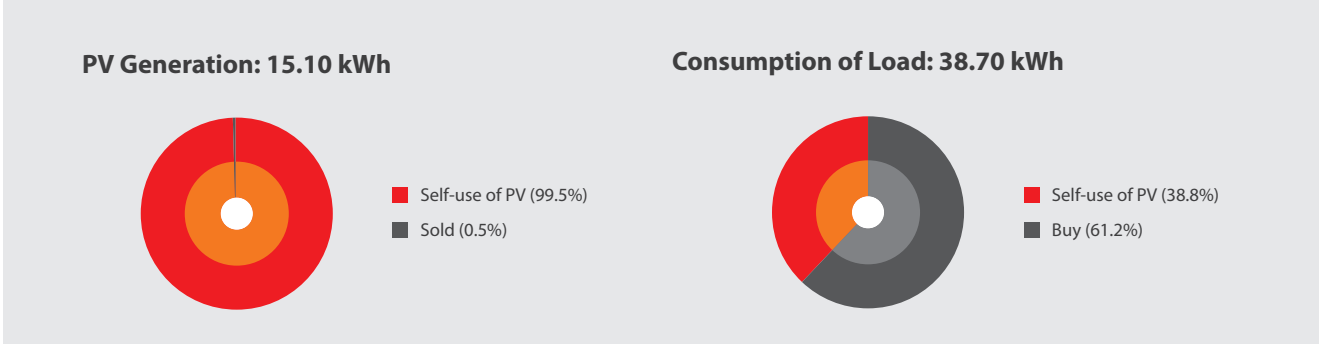
*1 Smart meter is optional, with a CT (Current Transformer) prewired.
*2 Battery Ready function enables user to upgrade EH system into the energy-storage system without extra equipment.
*3 Back-up mode is only available after activating the Battery Ready function. Back-up loads and UPS function will only be functional after activation.

Battery Ready Concept

Equipped with 'Battery Ready' function, the GoodWe EH inverter functions as a traditional grid-tied inverter. Nevertheless, by simply purchasing an activation code, it can easily be upgraded to a hybrid inverter without adding any hardware once the end-user considers to increase self-consumption rate by upgrading the PV system to an energy storage one. GoodWe provides end users a cost-effective solution if they hesitate to install an energy storage system in the beginning.

Consumption Monitoring (Optional)

As demonstrated in the diagram, the EH system has an option with smart meter to achieve real-time consumption monitoring. Furthermore, combined with the solar system production, the EH series is able to calculate solar system self-consumption ratio by day, month or year through the GoodWe monitoring platform, which gives a better overview of load consumption and solar usage efficiency.



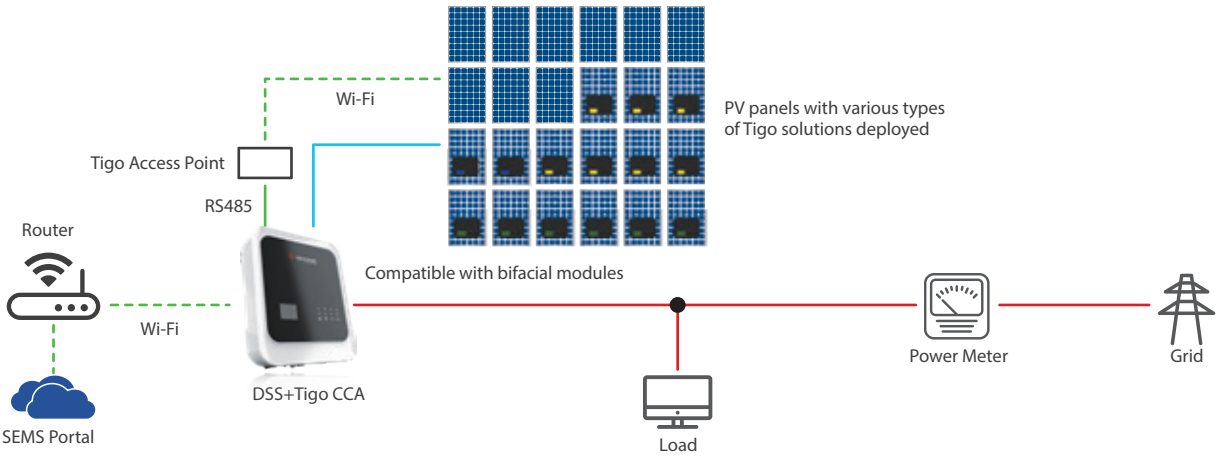
GoodWe Premium Application

DSS Series

The GoodWe DSS series inverter, winner of the prestigious Reddot Design Award for its beautiful aesthetics, is a single-phase grid-tied inverter equipped with power limit function and multiple protections, such as AFCI (Arc-Fault Circuit Interrupter), connector temperature sensor and DC Isolator.

GoodWe DSS + Tigo Solution

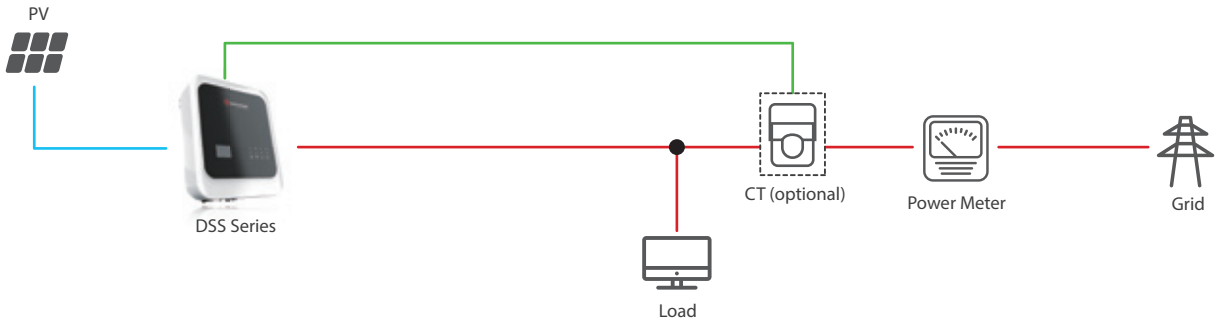
With a Tigo CCA built in, the GoodWe DSS inverter can establish detailed communication with the Tigo Access Point, reducing cost and achieving the flexible Tigo solutions including panel-monitoring, rapid-shutdown and optimization. Monitoring data of both inverters and Tigo are integrated into the GoodWe monitoring platform.



- The Tigo solution is specifically designed for shaded panels, which makes it very cost effective.
- The maximum DC input current per string of DSS is 12.5A, making it compatible with bifacial modules to achieve higher yields.

Zero-export (Optional)

With zero-export settings enabled, the DSS inverter can limit the export of power from the PV system to the grid by simply adding a CT, which can detect the current flow to the grid and communicate with the inverter.



Protective DC Isolator (Optional)

DSS series inverter has an option of an inbuilt PV2-level protective DC isolator, which is electrically protected from other parts inside the inverter. Externally, it is lockable, protected by an additional independent physical lock. With this considerate design, GoodWe fully ensures electricians' safety during installation and maintenance.

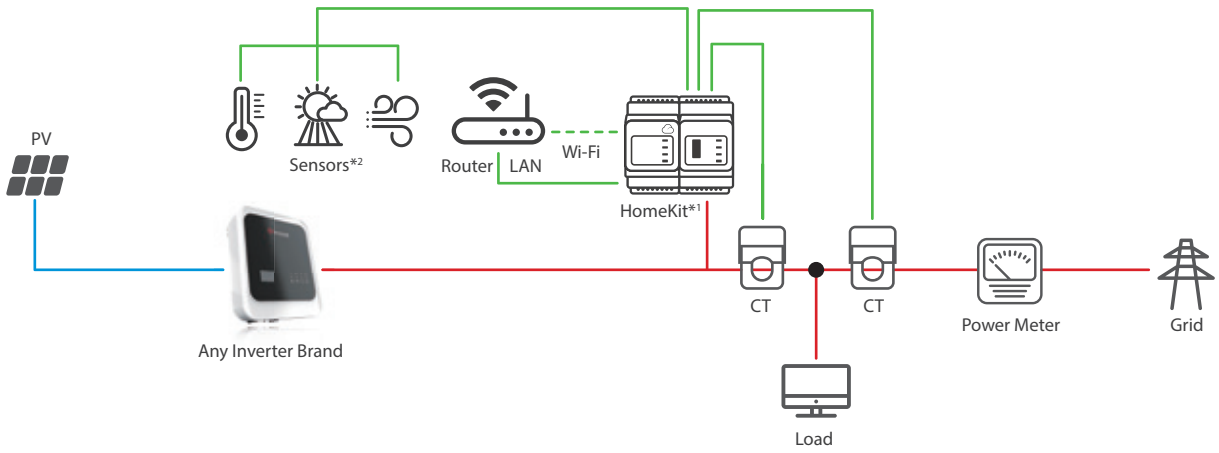
GoodWe HomeKit Application

24 Hours Real-time Consumption Monitoring

GoodWe HomeKit is a remarkable solution intended for 24 hours real-time consumption monitoring. Inheriting the consistent industrial design philosophy, it is tailored for the residential scenarios with internet. The HomeKit is compatible with different brands of inverters and can monitor real-time consumption and PV generation. The data collection is solely on the cloud by Wi-Fi or LAN. End users are able to get a clear picture of their electricity consumption and which source the electricity comes from.

Weather Monitoring (Optional)

By connecting with sensors like ambient temperature sensor, irradiation sensor and wind speed sensor, HomeKit is able to monitor the real-time weather condition. In this case, SEMS can forecast solar generation and make comparison of real data. Once there is huge gap , issues of solar system will be exposed.

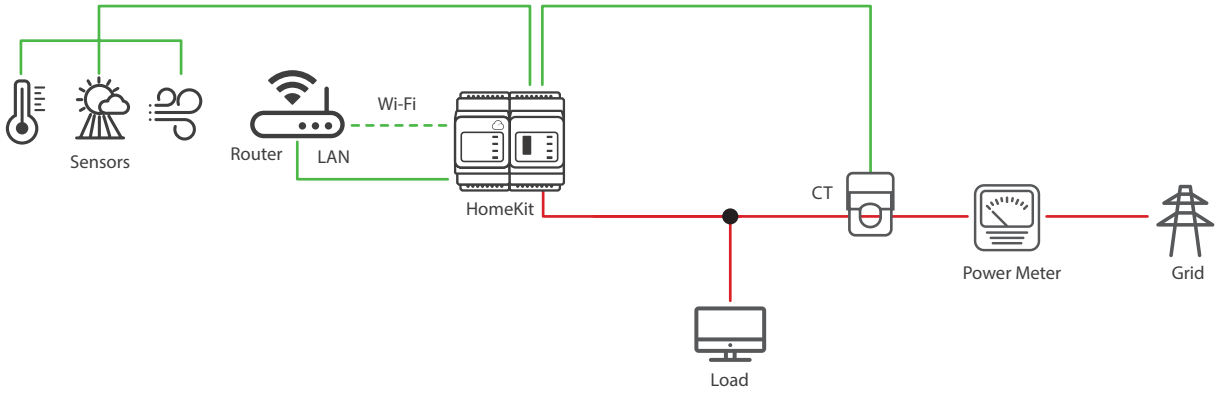


*1 HomeKit is suitable for both single-phase and three-phase system.

*2 Sensors for measuring irradiation, ambient temperature, module temperature, wind speed, etc. can be integrated into the system.

GoodWe HomeKit for Regular Household without PV

The Standalone HomeKit can implement real-time consumption monitoring with internet, assisting to know better home electricity consumption and providing necessary PV installation assessment for potential users.



EH Series

Dual-MPPT, Single-Phase

Technical Data	GW3600-EH	GW5000-EH	GW6000-EH
Battery Input Data*			
Battery Type	Li-Ion		
Battery Voltage Range(V)	85~450		
Start-up Voltage (V)	90		
Max. Charging/Discharging Current (A)	25/25		
Max. Charging/Discharging Power (W)	3600	5000	6000
Battery Ready Optional Function	YES	YES	YES
PV String Input Data			
Max. DC Input Power (W)	4800	6650	8000
Max. DC Input Voltage (V)	580	580	580
MPPT Range (V)	100~550	100~550	100~550
Start-up Voltage (V)	90		
Nominal DC Input Voltage (V)	380		
Max. Input Current (A)	12.5/12.5		
Max. Short Current (A)	15.2/15.2		
No. of MPP Trackers	2		
No. of Strings per MPP Tracker	1		
AC Output/Input Data (On-grid)			
Nominal Apparent Power Output to Utility Grid (VA)*2	3600	5000	6000
Max. Apparent Power Output to Utility Grid(VA)*2	3600/3960*1	5000/5500*1	6000/6600*1
Max. Apparent Power from Utility Grid (VA)	7200(Charging 3.6kw,backup output 3.6kw)	10000(Charging 5kw,backup output 5kw)	12000(Charging 6kw,backup output 6kw)
Nominal Output Voltage (V)	230	230	230
Nominal Ouput Freqency (Hz)	50/60	50/60	50/60
Max. AC Current Output to Utility Grid (A)*2	16/18*1	21.7/24*1	26.1/28.7*1
Max. AC Current From Utility Grid (A)	32	43.4	52.2
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<3%		
Back-up Output Data (Back-up)*			
Max. Output Apparent Power (VA)	3600	5000	6000
Peak Output Apparent Power (VA)	4320, 60sec	6000, 60sec	7200, 60sec
Max. Output Current (A)	15.7	21.7	26.1
Automatic Switch Time (ms)	<10		
Nominal Output Voltage (V)	230 (±2%)		
Nominal Ouput Frequency (Hz)	50/60 (±0.2%)		
Output THDv (@Linear Load)	<3%		
Efficiency			
PV Max. Efficiency	97.6%		
PV Europe Efficiency	97.0%		
PV Max. MPPT Efficiency	99.9%		
Battery Charged By PV Max. Efficiency	98.0%		
Battery Charge/discharge From/To AC Max. Efficiency	96.6%		
Protection			
Anti-islanding Protection	Integrated	Integrated	Integrated
Battery Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Grid Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Operating Temperature Range (°C)	-35~60		
Relative Humidity	0~95%		
Operating Altitude (m)	4000		
Cooling	Nature Convection		
Noise (dB)	<35		
User Interface	LED & APP		
Communication with BMS	CAN		
Communication with Meter	RS485		
Communicaiton with Portal	Wi-Fi/Ethernet(Optional)		
Weight (kg)	17		
Size (Width*Height*Depth mm)	354*433*147		
Mounting	Wall Bracket		
Protection Degree	IP65		
Standby Self Consumption (W)*3	<10		
Topology	Transformerless		
Certifications & Standards			
Grid Regulation	AS/NZS 4777.2:2015; G98/1; CEI 0-21 VDE4105-AR-N	AS/NZS 4777.2:2015; G99/1; CEI 0-21 VDE4105-AR-N	
Safety Regulation	IEC62109-1&-2		
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29		

*1 For CEI 0-21.
*2 The grid feed in power for VDE-AR-N 4105 and NRS097-2-1 is limited 4600VA, for AS/NZS 4777.2 is limited 4950VA & 21.7A.
*3 No back-up output.

*: An activation code is required when connecting to an approved lithium-Ion battery. It can be purchased from GoodWe's authorized dealers or distributors.
GoodWe only acknowledges the activation code purchased from our authorized dealers or distributors.
GoodWe's Smart Meter, an optional accessory, is able to monitor load consumption. It can be purchased through authorized dealers or distributors.

HomeKit

GoodWe HomeKit is consist of a GoodWe smart meter and a communication module with both WiFi and LAN. The HomeKit features with 24 hours real-time consumption monitoring. Besides, it can be compatible with inverters of different brands.

Model		HomeKit
Input Voltage	Rated Voltage	230Vac
	Voltage Range	160Vac~280Vac
	Reference Frequency	50Hz/60Hz
Power Consumption		<6W
Communication		WiFi+LAN
Communication Distance	WiFi	15m(Reference)
	LAN	100m
HMI		3 LED (Power, Pulse, Communication), Reset Button
Mechanical Parameters	Size (L*W*H)	72*110*75mm
	Weight	0.4kg
	IP rating	IP20
	Installation	Guide
Operating Temp.		-25 ~ +60°C
Storage Temp.		-30 ~ +70°C
Humidity		<95%, No Ion
Altitude		<2000m

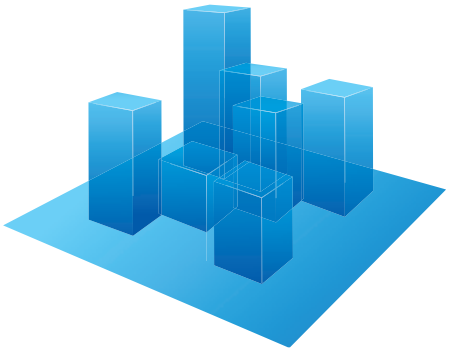
Smart Energy Management System

GoodWe Smart Energy Management System (SEMS) is an open protocol monitoring platform. SEMS allows operators to simultaneously monitor a diverse range of photovoltaic power plants in different locations in real time. Extensive data processing, customized charts, and alarm and maintenance functions ensure that operators, operations managers and asset managers can comfortably and efficiently manage the systems, ensuring maximum yields.

Multi-terminal Compatibility

Lower O&M Cost:

Full visibilityof system performance & remote troubleshooting



Report Generation & Customized Data Analysis

Precise and comprehensive detection & evaluation of plant data

The content and design of reports can be adjusted to suit your individual requirements. A report generator is also available in addition to standard reports.

XS Series

Single MPPT, Single Phase

Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
PV String Input Data						
Max. DC Input Power (W)	910	1300	1950	2600	3250	3900
Max. DC Input Voltage (V)	500	500	500	500	500	500
MPPT Range (V)	40~450	40~450	40~450	40~450	40~450	40~450
Start-up Voltage (V)	40	40	40	40	40	40
Nominal DC Input Voltage (V)	360	360	360	360	360	360
Max. Input Current (A)	11	11	11	11	12.5	12.5
Max. Short Current (A)	13.8	13.8	13.8	13.8	15.6	15.6
No. of MPP Trackers	1	1	1	1	1	1
No. of Input Strings per Tracker	1	1	1	1	1	1
AC Output Data						
Nominal Output Power (W)	700	1000	1500	2000	2500	3000
Max. Output Apparent Power (VA)	800	1100	1650	2200	2750	3300
Nominal Output Voltage (V)	230	230	230	230	230	230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	3.5	4.8	7.2	9.6	12	14.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.4%	97.4%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.0%	97.0%
Protection						
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
General Data						
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection					
Noise (dB)	<25	<25	<25	<25	<25	<25
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN
Weight (kg)	5.2	5.2	5.2	5.2	5.2	5.2
Size (Width*Height*Depth mm)	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1
Topology	Transformerless					
Certifications & Standards						
Grid Regulation	VDE0126-1-1, EN50438(PL), IEC61727, IEEE1547, G98, ABNT NBR 16149 : 2013					
Safety Regulation	IEC62109-1&-2					
EMC	EN61000					

DNS Series

Dual MPPT, Single Phase

Technical Data	GW3000D-NS	GW3600D-NS	GW4200D-NS	GW5000D-NS	GW6000D-NS
PV String Input Data					
Max. DC Input Power (W)	3900	4680	5460	6500	7200
Max. DC Input Voltage (V)	600	600	600	600	600
MPPT Range (V)	80~550	80~550	80~550	80~550	80~550
Start-up Voltage (V)	120	120	120	120	120
Nominal DC Input Voltage (V)	360	360	360	360	360
Max. Input Current (A)	11/11	11/11	11/11	11/11	11/11
Max. Short Current (A)	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8	13.8/13.8
No. of MPP Trackers	2	2	2	2	2
No. of Input Strings per Tracker	1	1	1	1	1
AC Output Data					
Nominal Output Power (W)	3000*[1]	3680*[1]	4200*[1]	5000*[1]	6000*[1]
Max. Output Apparent Power (VA)	3000	3680	4200	5000	6000
Nominal Output Voltage (V)	220/230	220/230	220/230	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	13.6	16	19	22.8	27.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%
European Efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
Protection					
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
General Data					
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection				
Noise (dB)	<25	<25	<25	<25	<25
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi or LAN
Weight (kg)	13	13	13	13	13.5
Size (Width*Height*Depth mm)	354*433*147	354*433*147	354*433*147	354*433*147	354*433*147
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				
Certifications & Standards					
Grid Regulation	VDE-AR-N 4105, VDE0126-1-1, EN50438(PL), EN50438(SW), AS4777.2, G83, IEC61727, IEC62116, CEI 0-21, RD 1699:2011, UNE 206006 IN: 2011, UNE 206007-1 IN: 2013		VDE-AR-N 4105, VDE0126-1-1 EN50438(PL), EN50438(SW), AS4777.2, G59, IEC61727, IEC62116, CEI 0-21, RD 1699:2011 , UNE 206006 IN: 2011 , UNE 206007-1 IN: 2013	VDE-AR-N 4105, VDE0126-1-1, EN50438(PL), EN50438(SW), AS4777.2, G59, IEC61727, MEA, PEA, IEC62116, CEI 0-21, RD 1699:2011 , UNE 206006 IN: 2011 , UNE 206007-1 IN: 2013	VDE-AR-N 4105, VDE0126-1-1, EN50438(PL), EN50438(SW), AS4777.2, G59, IEC61727, MEA, PEA, IEC62116, CEI 0-21
Safety Regulation	IEC62109-1&-2				
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29				

*[1]: For CEI 0-21 Nominal Output Power GW3000D-NS is 2700, GW3680D-NS is 3350, GW4200D-NS is 3800, GW5000D-NS is 4540, GW6000D-NS is 5450. For AS4777, Nominal Output Power GW5000D-NS is 4999.

Color Options

DSS Series

Dual-MPPT, Single-Phase

Technical Data	GW3600D-SS	GW4200D-SS	GW5000D-SS
PV String Input Data			
Max. DC Input Power (W)	4680	5500	6500
Max. DC Input Voltage (V)	600	600	600
MPPT Range (V)	80~550	80~550	80~550
Start-up Voltage (V)	80	80	80
Nominal DC Input Voltage (V)	360	360	360
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5
Max. Short Current (A)	15.6	15.6	15.6
No. of MPP Trackers	2	2	2
No. of Input Strings per Tracker	1	1	1
AC Output Data			
Nominal Output Power (W)	3600	4200	5000
Max. Output Apparent Power (VA)	3960	4620	5500
Nominal Output Voltage (V)	220V/230V	220V/230V	220V/230V
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	18	21	25
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	>98%	>98%	>98%
Protection			
Anti-islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC SPD Protectioin	Integrated	Integrated	Integrated
AC SPD Protectioin	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Operating Temperature Range (°C)	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling	Natural Convection		
Noise (dB)	<25	<25	<25
User Interface	LCD or APP	LCD or APP	LCD or APP
Communication	WiFi	WiFi	WiFi
Weight (kg)	11	11	11
Size (Width*Height*Depth mm)	336*400*124	336*400*124	336*400*124
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless		
Certifications & Standards			
Grid Regulation	VDE4105-AR-N; VDE0126-1-1z; AS4777.2; CEI 0-21; RD1699; IEEE1547; ABNT NBR 16149:2013		
Safety Regulation	IEC 62109		
EMC	EN61000		

Color Options

MS Series

Three-MPPT, Single-Phase

Technical Data	GW7000-MS	GW8500-MS	GW9000-MS	GW10K-MS
PV String Input Data				
Max. DC Input Power (Wp)	13500	13500	13500	13500
Max. DC Input Voltage (V)	600	600	600	600
MPPT Range (V)	80~550	80~550	80~550	80~550
Start-up Voltage (V)	80	80	80	80
Nominal DC Input Voltage (V)	360	360	360	360
Max. Input Current (A)	12.5/12.5/12.5	12.5/12.5/12.5	12.5/12.5/12.5	12.5/12.5/12.5
Max. Short Current (A)	15/15/15	15/15/15	15/15/15	15/15/15
No. of MPP Trackers	3	3	3	3
No. of Input Strings per Tracker	1/1/1	1/1/1	1/1/1	1/1/1
AC Output Data				
Nominal Output Power (W)	7000	8000	9000	10000
Max. Output Apparent Power (VA)	7700	8800	9900	11000
Nominal Output Voltage (V)	220	220	220	220
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60
Max. Output Current (A)	35	42.5	45	45.5
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%
Efficiency				
Max. Efficiency	98.1%	98.1%	98.1%	98.1%
European Efficiency	97.6%	97.6%	97.6%	97.6%
Protection				
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated
Terminal temperature detection	Optional	Optional	Optional	Optional
Arcing detection	Optional	Optional	Optional	Optional
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated
General Data				
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection			
Noise (dB)	<30	<30	<30	<30
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi or LAN
Weight (kg)	17	17	17	17
Size (Width*Height*Depth mm)	511*415*180	511*415*180	511*415*180	511*415*180
Protection Degree	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1
Topology	Transformerless			
Certifications & Standards				
Grid Regulation	ABNT NBR 16149:2013			
Safety Regulation	IEC62109-1&-2			
EMC	EN61000			

SDT G2 Series

Dual-MPPT, Three-Phase

Technical Data	GW4K-DT	GW5K-DT	GW6K-DT	GW8K-DT	GW10KT-DT
PV String Input Data					
Max. DC Input Power (Wp)	6000	7500	9000	12000	15000
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000
MPPT Range (V)	180~850	180~850	180~850	180~850	180~850
Start-up Voltage (V)	160	160	160	160	160
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5
Max. Short Current (A)	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6
No. of MPP Trackers	2	2	2	2	2
No. of Input Strings Per MPP Tracker	1/1	1/1	1/1	1/1	1/1
AC Output Data					
Nominal Output Power (W)	4000	5000	6000	8000	10000
Max. Output Apparent Power (VA)	4400	5500	6600	8800	11000
Nominal Output Voltage (V)	400, 3L/N/PE				
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	6.4	8	9.6	12.8	16
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%
European Efficiency	>97.6%	>97.6%	>97.6%	>97.6%	>97.7%
Protection					
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)
AC Surge Protection	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional
Terminal Temperature Detection	Optional	Optional	Optional	Optional	Optional
General Data					
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Fan Cooling	Fan Cooling
User Interface	LED or LCD	LED or LCD	LED or LCD	LED or LCD	LED or LCD
Communication	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)
Weight (kg)	15	15	15	16	16
Size (Width*Height*Depth mm)	354*433*147	354*433*147	354*433*147	354*433*155	354*433*155
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				
Certifications & Standards					
Grid Regulation	VDE-AR-N 4105, EN50549/VDE0126-1-1, AS/NZS 4777.2, CEI-021, IEC61727				
Safety Regulation	IEC62109-1&-2				
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29				

Project Cases

6KW | Istanbul, Turkey

8KW | Antonio, Switzerland

4.5KW | Berwickshire, UK

4.5KW | Sao Paulo, Brazil

12KW | Cape Town, South Africa

3KW | Amsterdam, Holland

3.6KW | Melbourne, Australia

10KW | Cape Town, South Africa

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IHS Markit

2018

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INVERTERS
AUSTRALIA
2019

2017-2019

reddot Design

2018

GOODWE
GOOD CHOICE

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