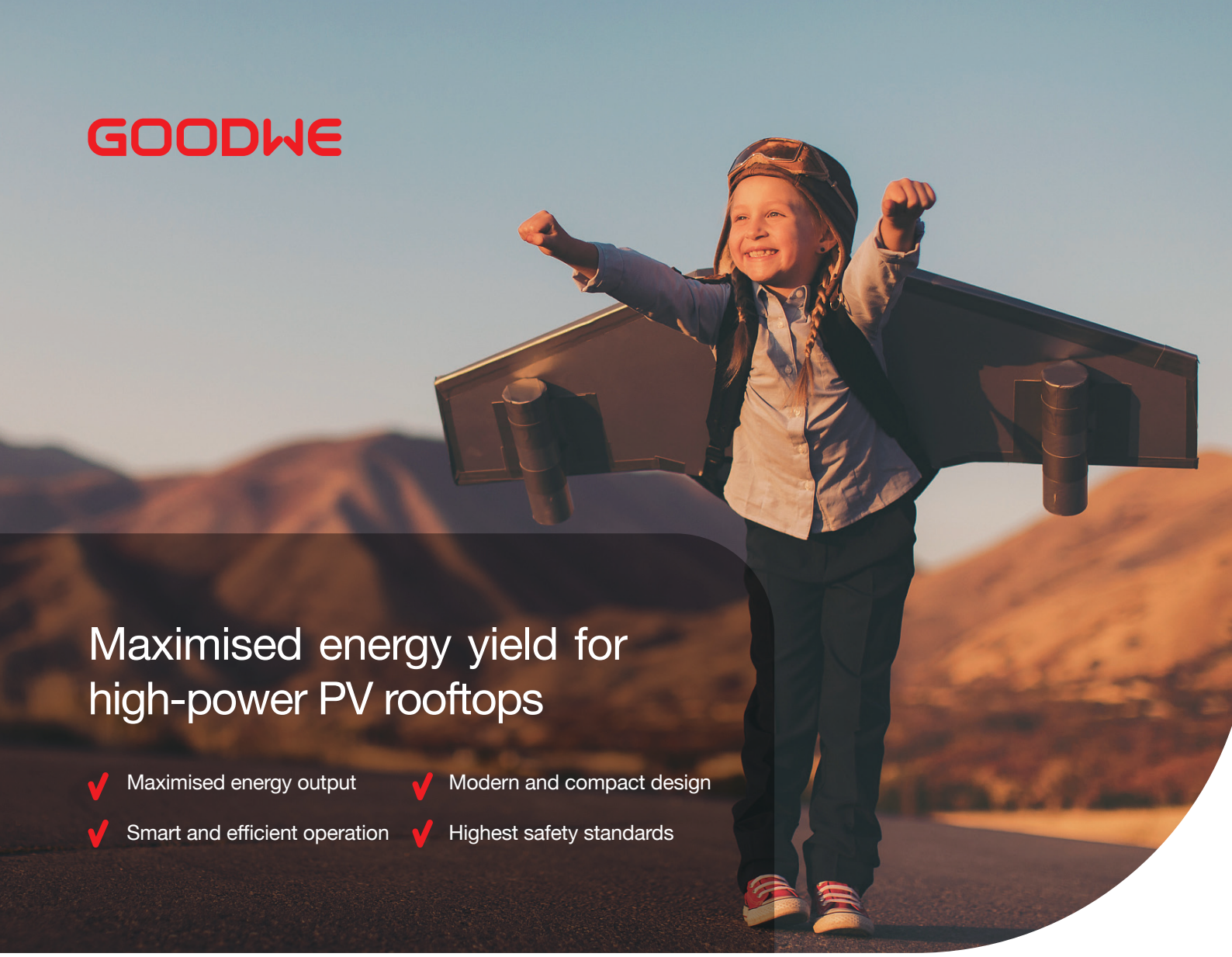
GOODWE



Maximised energy yield for high-power PV rooftops

- Maximised energy output
- Modern and compact design
- Smart and efficient operation
- Highest safety standards

A perfect fit for three-phase residential and small commercial systems with high-power PV modules, the SDT G2 PLUS+ inverters allow for high current input up to 16A. The smaller inverters are designed for silent operation, while the optional Type II surge protection on both AC and DC sides enhances overall safety. Smart energy management - including 24-hour load consumption monitoring - can be facilitated by adding the GoodWe HomeKit 3000.



- Increased yield (110% AC power)
- Optional AFCI function
- Smart energy management

SDT G2 PLUS+ Series String Inverter I 4 - 20kW I 2 MPPTs I Three Phase **EMEA**

SDT G2 PLUS+ Series

GOODWE

Technical Data	GW4000-SDT-20	GW5000-SDT-20	GW6000-SDT-20	GW8000-SDT-20	GW10K-SDT-20	GW12K-SDT-20	GW15K-SDT-20	GW17K-SDT-20	GW20K-SDT-20
Input									
Max.Input Voltage (V)	1000	1000	1000	1100	1100	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	180 ~ 850	180 ~ 850	180 ~ 850	140 ~ 950	140 ~ 950	140 ~ 950	140 ~ 950	140 ~ 950	140 ~ 950
Start-up Voltage (V)	180								
Nominal Input Voltage (V)	620								
Max. Input Current per MPPT (A)	16	16	16	15	15	30	30	30	30
Max. Short Circuit Current per MPPT (A)	20.0	20.0	20.0	18.7	18.7	37.5	37.5	37.5	37.5
Number of MPP trackers	2								
Number of Strings per MPPT	1	1	1	1	1	2	2	2	2
Output									
Nominal Output Power (W)	4000	5000	6000	8000	10000	12000	15000	17000	20000
Nominal Output Apparent Power (VA)	4000	5000	6000	8000	10000	12000	15000	17000	20000
Max. AC Active Power (W)	4400	5500	6600	8800	11000	13200	16500	18700	22000
Max. AC Apparent Power (VA)	4400	5500	6600	8800	11000	13200	16500	18700	22000
Nominal Output Voltage (V)	400, 3L / N / PE			380 / 400 / 415, 3L / N / PE					
Nominal AC Grid Frequency (Hz)	50 / 60								
Max. Output Current (A)	6.4	8.0	9.6	12.8	16.0	19.1	24.0	27.1	32.0
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)								
Max. Total Harmonic Distortion	<3%								
Efficiency									
Max. Efficiency	98.2%	98.2%	98.2%	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.6%	97.6%	97.6%	97.6%	97.6%	97.8%	97.8%	97.8%	97.8%
Protection									
PV Insulation Resistance Detection	Integrated								
Residual Current Monitoring	Integrated								
PV Reverse Polarity Protection	Integrated								
Anti-islanding Protection	Integrated								
AC Overcurrent Protection	Integrated								
AC Short Circuit Protection	Integrated								
AC Overvoltage Protection	Integrated								
DC Switch	Integrated								
DC Surge Protection	Type III (Type II optional)								
AC Surge Protection	Type III			Type III (Type II optional)					
AFCI	Optional								
Remote Shutdown	Integrated								
General Data									
Operating Temperature Range (°C)	-30 ~ +60								
Relative Humidity	0 ~ 100%								
Max. Operating Altitude (m)	4000								
Cooling Method	Natural Convection					Smart Fan Cooling			
User Interface	LED, LCD, WLAN + APP								
Communication	RS485, WiFi or LAN or 4G (Optional)								
Weight (kg)	15.0	15.0	15.0	20.5	20.5	23.5	26.0	26.0	26.0
Dimension (W × H × D mm)	354 × 433 × 147			415 × 511 × 175		415 × 511 × 198			
Typical Noise Emission (dB)	<34	<34	<34	<25	<25	<50	<50	<50	<50
Topology	Non-isolated								
Self-consumption at Night (W)	<1								
Ingress Protection Rating	IP65								
DC Connector	MC4 (4 ~ 6mm²)								
AC Connector	Plug and play connector			OT Terminal					

*: All pictures shown are for reference only. Actual appearance may vary.
*: Please visit GoodWe website for the latest certificates.

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