

GOODWE

SDT G3 Series

33-40kW | Three Phase | 3 MPPTs

The GoodWe 33-40kW SDT G3 series inverter is specifically designed for three-phase residential and commercial projects. Featuring an impressive 150% PV oversizing and a high efficiency of 98.6%, it delivers optimal performance and output even in challenging environments. Prioritizing safety, the inverter offers optional AFCI and optional Type II surge protection to guard against electrical fires and lightning hazards. Additionally, its compact design and weight of just 28kg ensure easy and hassle-free installation.



Optimal Generation for Higher Return

- Up to 150% PV input oversizing
- 3 MPPTs, Max. efficiency 98.6%
- Optional PID recovery



Flexible & Adaptable Applications

- Compatible with 182/210mm modules
- Paralleling operation



Superb Safety & Reliability

- Optional Type II SPD on both AC and DC sides¹
- IP66 ingress protection
- Optional AFCI¹



Friendly & Thoughtful Design

- Easy installation and O&M
- Low noise operation
- Optional LCD display

¹: Optional functions or devices are purchased separately.

Technical Data	GW33K-SDT-C30	GW36K-SDT-C30	GW40K-SDT-C30
Input			
Max. Input Voltage (V)		1100	
MPPT Operating Voltage Range (V)		140 ~ 1000	
Start-up Voltage (V)		160	
Nominal Input Voltage (V)		600	
Max. Input Current per MPPT (A)		42 / 42 / 32	
Max. Short Circuit Current per MPPT (A)		52.5 / 52.5 / 40	
Number of MPP Trackers		3	
Number of Strings per MPPT		2	
Output			
Nominal Output Power (W)	33000	36000	40000
Nominal Output Apparent Power (VA)	33000	36000	40000
Max. AC Active Power (W)	33000	36000	40000
Max. AC Apparent Power (VA)	33000	36000	40000
Nominal Output Voltage (V)	220 / 380, 230 / 400, 240 / 415, 3L / N / PE or 3L / PE		
Output Voltage Range (V)	180 ~ 280 (according to local standard)		
Nominal AC Grid Frequency (Hz)	50		
AC Grid Frequency Range (Hz)	45 ~ 55		
Max. Output Current (A)	50.1	54.6	60.7
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%		
Efficiency			
Max. Efficiency	98.6%		
European Efficiency	97.8%		
Protection			
PV String Current Monitoring	Integrated		
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 II Optional)		
AFCI	Optional		
Emergency Power Off	Optional		
Rapid Shutdown	Optional		
PID Recovery	Optional		
Power Supply at Night	Optional		
General Data			
Operating Temperature Range (°C)	-30 ~ +60		
Relative Humidity	0 ~ 100%		
Max. Operating Altitude (m)	4000		
Cooling Method	Smart Fan Cooling		
User Interface	LED, LCD (Optional), WLAN + APP		
Communication	RS485, WiFi + LAN + Bluetooth or 4G (Optional)		
Communication Protocols	Modbus TCP		
Weight (kg)	28		
Dimension (W × H × D mm)	585 × 483 × 230		
Noise Emission (dB)	45		
Topology	Non-isolated		
Self-consumption at Night (W)	<1		
Ingress Protection Rating	IP66		
DC Connector	MC4 (4 ~ 6mm ²)		
AC Connector	OT terminal (Max. 35mm ²)		

*: Please visit GoodWe website for the latest certificates.

*: All pictures shown are for reference only. Actual appearance may vary.