



Where Low Voltage Meets High Efficiency



LCD

Super Large
5-inch LCD



Wide Range of
Output Voltage



IP65 Dustproof
and Waterproof



30% Lighter

LVDT Series

Dual-MPPT, Three-Phase

12KW

15KW

The GoodWe LVDT series three-phase inverter with low voltage power input is specifically designed for small commercial PV applications. Developed as an efficient response to the South American market needs for low-voltage inverters above 10kW, the GoodWe LVDT series is applicable to the different grid voltage ranges in the region, which mainly cover 208V, 220V and 240V. With the GoodWe LVDT series inverter, the system configuration can be simplified by avoiding the installation of an expensive transformer which adversely affects the system's conversion efficiency.

Technical Data

GW12KLV-DT

GW15KLV-DT

PV String Input Data	Max. DC Input Power (W)	15600	19500	
	Max. DC Input Voltage (V)	800	800	
	MPPT Range (V)	260~650	260~650	
	Start-up Voltage (V)	250	250	
	MPPT Range for Full Load (V)	410~650	385~650	
	Max. Input Current (A)	20/10	20/20	
	Max. Short Current (A)	25/12.5	25/25	
	No. of MPP Trackers	2	2	
	No. of Input Strings per Tracker	2	3	
AC Output Data	Nominal Output Power (W)	208Vac System 220Vac System 240Vac System	11300 12000 13000	14200 15000 16000
	Max. Output Apparent Power (VA)		13000	16000
	Nominal Output Voltage (V)		150~300	150~300
	Nominal Output Frequency (Hz)		50/60	50/60
	Max. Output Current (A)		31.5	39.5
	Output Power Factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
	Output THDi (@Nominal Output)		<3%	<3%
	Efficiency	Max. Efficiency	98.4%	98.4%
Euro Efficiency		98.1%	98.1%	
Protection	Anti-islanding Protection	Integrated	Integrated	
	Input Reverse Polarity Protection	Integrated	Integrated	
	Insulation Resistor Detection	Integrated	Integrated	
	DC SPD Protection	Integrated	Integrated	
	Residual Current Monitoring Unit	Integrated	Integrated	
	Output Over Current Protection	Integrated	Integrated	
	Output Short Protection	Integrated	Integrated	
Output Over Voltage Protection	Integrated	Integrated		
General Data	Operating Temperature Range (°C)	-25~60	-25~60	
	Relative Humidity	0~100%	0~100%	
	Operating Altitude (m)	≤4000	≤4000	
	Cooling	Fan Cooling	Fan Cooling	
	Noise (dB)	<45	<45	
	User Interface	LCD & LED	LCD & LED	
	Communication	RS485 or WiFi	RS485 or WiFi	
	Weight (kg)	39	40	
	Size (Width*Height*Depth mm)	516*650*203	516*650*203	
	Protection Degree	IP65	IP65	
	Night Self Consumption (W)	<1	<1	
Topology	Transformerless	Transformerless		
Certifications & Standards	Grid Regulation	IEEE1547		
	Safety Regulation	IEC62109-1&2		
	EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		