

Technical Data	GW12KLV-DT	GW15KLV-DT	GW17K-DT	GW20K-DT	GW25K-DT
PV String Input Data					
Max. DC Input Power (W)	15600	19500	22100	26000	32500
Max. DC Input Voltage (V)	800	800	1000*	1000*	1000*
MPPT Range (V)	260~650	260~650	260~850	260~850	260~850
Start-up Voltage (V)	250	250	250	250	250
Nominal DC Input Voltage (V)	-	-	620	620	620
Max. Input Current (A)	20/10	20/20	22/22	22/22	27/27
Max. Short Current (A)	25/12.5	25/25	27.5/27.5	27.5/27.5	33.8/33.8
No. of MPP Trackers	2	2	2	2	2
No. of Input Strings per Tracker	2	3	2	2	3
AC Output Data					
Nominal Output Power (W)	11300@208Vac 12000@220Vac 13000@240Vac	14200@208Vac 15000@220Vac 16000@240Vac	17000	20000	25000
Max. Output Apparent Power (VA)	13000	16000	17000	20000	25000
Nominal Output Voltage (V)	150~300	150~300	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	31.5	39.5	25	30	37
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)			<1.5%	<1.5%	<1.5%
Efficiency					
Max. Efficiency	98.4%	98.4%	98.2%	98.4%	98.4%
Europe Efficiency	98.1%	98.1%	97.7%	98.1%	98.1%
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 SPD Protectioin	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	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Noise (dB)	<45	<45	<45	<45	<45
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
Weight (kg)	39	40	39	39	40
Size (Width*Height*Depth mm)	516*650*203	516*650*203	516*650*203	516*650*203	516*650*203
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
Certifications & Standards					
Grid Regulation	IEEE1547		VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1,ERDF-NOI-RES_13E, IEC61727, IEC62116, MEA, PEA	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116
Safety Regulation	IEC62109-1&-2				
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4				

*: Maximum operating voltage is 950V.