

Technical Data

		GW10K-DT	GW12K-DT	GW15K-DT	GW17K-DT
DC Input Data	Max. PV-generator power [W]	10200	12300	15400	17500
	Max. DC voltage [V]	1000			
	MPPT voltage range [V]	260-850			
	Turn on DC voltage [V]	250			
	Max. DC work current [A]	22/11	22/11	22/22	22/22
	Number of inputs/MPPT trackers	4/2	4/2	6/2 (can parallel)	6/2 (can parallel)
	DC connector	MC IV Connector			
	Turn on power [W]	< 10			
AC Output Data	Self-energy consumption [W]	10000	12000	15000	17000
	Max. AC power [W]	10000	12000	15000	17000
	Max. output current [A]	17	19	25	25
	Nominal output voltage range	According to VDE-AR-N 4105, RDI663, ENEL, G59, SAA			
	AC grid frequency	According to VDE-AR-N 4105, RDI663, ENEL, G59, SAA			
	THD (AC output current)	< 2%			
	Power factor	0.90 leading...0.90 lagging			
	AC connection	3/N/PE, 230/400V			
Efficiency	Max. efficiency	98.0%	98.0%	98.2%	98.2%
	European efficiency	97.5%			
	MPPT adaptation efficiency	> 99.5%			
Safety Equipment	Leakage current monitoring unit	Integrated			
	DC switch disconnecter	Optional			
	Islanding protection	AFD			
	Grid monitoring	According to VDE-AR-N 4105, AS4777 1/2/3, RDI663, ENEL, G59-2			
Normative Reference	EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			
	Safety compliance	According to IEC 62109-1, AS3100			
General Data	Dimensions (WxHxD) [mm]	660x516x202			
	Net weight [kg]	45			
	Housing	For outdoor and indoor			
	Mounting information	Wall mounting			
	Operating temperature range	-20-60°C (up 45°C derating)			
	Relative humidity	0-95%			
	Site altitude [m]	2000			
	IP protection class	IP65			
	Topology	Transformerless			
	Cooling	Fan cooling			
	Noise level [dB]	< 45			
	Display	5" LCD			
	Communication	USB2.0; RS485 (Wireless/Bluetooth/Ethernet optional)			
	Standard warranty [years]	5/10 (optional)			