



GMTN15-25KWE

Energy Storage Inverter Series



Three Phase | 15-25KW | On-Grid

- AFCI (Optional)
- String current up to 16A
- Max. Efficiency 98.8%



**Built-in AC
& DC SPD**



**110% AC
overloading**



**24/7 monitoring
(Optional)**



Technical Data

DC Input	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
Max. PV Array Power [Wp]@STC	22500	25500	30000	33000	37500
Max.DC Voltage [V]	1100				
MPPT Voltage Range [V]	180~1000				
Rated DC Voltage [V]	600				
Start Voltage [V]	200				
Min.Dc Voltage [v]	180				
Max.DC Input Current [A]	32/32				
Max.DC Short Circuit Current [A]	38.4/38.4				
No.of Strings per MPPT	2/2				
No.of MPPT	2				
DC Switch	Integrated				
AC Output	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
Rated AC Power [W]	15000	17000	20000	22000	25000
Max.Apparent Power [VA]	16500	18700	22000	24200	25000
Rated Output Current [A]@230Vac	21.7	24.6	29	31.9	36.2
Max.Output Current [A]	25	28.3	33.3	36.7	37.9
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485				
Rated Output Frequency/Range [Hz]	50, 60/45~55, 55~65				
Power Factor [cos φ]	0.8 leading~0.8 lagging				
Total Harmonic Distortion [THDi]	< 3%				
Efficiency	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
Protection	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
Internal Overvoltage Protection	Integrated				
DC Insulation Resistance Detection	Integrated				
Grid Monitoring	Integrated				
GFCI Monitoring	Integrated				
DCI Monitoring	Integrated				
AC Short Circuit Current Protection	Integrated				
AC Grounding Detection	Integrated				
DC Surge Protection	Integrated				
AC Surge Protection	Integrated				
Anti-islanding Protection	Integrated				
AFCI Protection	Optional				
Interface	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
DC Connection	MC4/H4				
AC Connection	Plug-in Connector				
Display	LED+APP				
Communication Port	RS232(USB)+RS485(RJ45)+DRM				
Communication	Wi-Fi/Ethernet/4G(Optional)				
Load Monitoring	24/7 (Optional)				
General Parameters	GMTN15KWE-2	GMTN17KWE	GMTN20KWE	GMTN22KWE	GMTN25KWE-1
Topology	Non-isolated				
Consumption at Night [W]	<1				
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)				
Cooling Method	Intelligent Fan cooling				
Ambient Humidity	0-100% Non-condensing				
Altitude	4000m (>3000m Power Derating)				
Noise [dBA]	<50				
Ingress Protection	IP65				
Mounting	Wall Mounting				
Dimensions [H*W*D][mm]	429.5×558×234.5				
Weight [kg]	22.5				
Warranty [Year]	5/10/15/20				
Applicable Standard	EN 62109-1/2, EN 61000-6-1/2/3/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1				

