

# GMTN25-50KWE

## Energy Storage Inverter Series



**Three Phase | 25-50KW | 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	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
Max. PV Array Power [Wp]@STC	37500	45000	49500	54000	54000	60000	75000
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]	32/32/32			32/32/32/32			
Max.DC Short Circuit Current [A]	38.4/38.4/38.4			38.4/38.4/38.4/38.4			
No.of Strings per MPPT	2/2/2			2/2/2/2			
No.of MPPT	3			4			
DC Switch	Integrated						
AC Output	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
Rated AC Power [W]	25000	30000	33000	36000	36000	40000	50000
Max.Apparent Power [VA]	25000	33000	36300	39600	39600	44000	50000
Rated Output Current [A]@230Vac	36.3	43.5	47.8	52.2	52.2	58	72.5
Max.Output Current [A]	37.9	50	55	60	60	66.7	75.8
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	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
Max. Efficiency				98.8%			
Euro Efficiency				97.5%			
Protection	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
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	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
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	GMTN25KWE-2	GMTN30KWE	GMTN33KWE	GMTN36KWE	GMTN36KWE-2	GMTN40KWE	GMTN50KWE
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]	473×659.4×240						
Weight [kg]	35					37	37.5
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						

