



GMSNO.7-3KWE

Energy Storage Inverter Series



Single Phase | 0.7-3KW | On-Grid

- **Compact and light weight**
- **APP connection, all data at real time**
- **Remote maintenance configuraturation**



**Quiet operation,
no noise pollution**



**External module with
screen display**



**High reliability, relay
redundancy design**



Technical Data

DC Input	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-1
Max. PV Array Power [Wp]@STC	1050	1500	2250	3000	3750	4500
Max.DC Voltage [V]		450			500	
MPPT Voltage Range [V]		40-425			50-450	
Rated DC Voltage [V]				360		
Start Voltage [V]		40			50	
Min.Dc Voltage [v]				40		
Max.DC Input Current [A]				15		
Max.DC Short Circuit Current [A]				18		
No.of Strings per MPPT				1		
No.of MPPT				1		
DC Switch	Integrated					
AC Output	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-1
Rated AC Power [W]	700	1000	1500	2000	2500	3000
Max.Apparent Power [VA]	770	1100	1650	2200	2750	3300
Rated Output Current [A]@230Vac	3.1	4.4	6.6	8.7	10.9	13.1
Max.Output Current [A]	3.5	5.0	7.5	10	12.5	15
Rated AC Voltage/Range [V]	L+N+PE, 220, 230, 240/180~280					
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	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-1
Max. Efficiency	97.2%	97.3%	97.4%	97.6%	97.7%	97.8%
Euro Efficiency	96.4%	96.7%	96.8%	97.0%	97.1%	97.2%
MPPT Efficiency	> 99.9%					
Protection	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-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					
Interface	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-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)					
General Parameters	GMSN0.7KWE	GMSN1KWE	GMSN1.5KWE	GMSN2KWE	GMSN2.5KWE	GMSN3KWE-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	Natural Convection					
Ambient Humidity	0-100% Non-condensing					
Altitude	4000m (>3000m Power Derating)					
Noise [dBA]	<25					
Ingress Protection	IP65					
Mounting	Wall Mounting					
Dimensions [H*W*D][mm]	302×289×142					
Weight [kg]		7.2				7.5
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					

