

# GMTL20-30KWS

## Solar Inverter Series



**Three Phase | 20-30KW | Low Voltage**

- MPPT efficiency > 99.9%
- Intelligent Temperature Control System
- Reactive power compensation, adjust power factor



IP 68 Cooling Fan



Type II DC & AC  
lightning protection



AC output 1.1x  
continuous operation



## Technical Data

PV Input Data	GMTL20KWS	GMTL25KWS	GMTL30KWS
Max. DC Power ( W )	3000	37500	45000
Max. DC Voltage ( V )		750	
MPPT Voltage Range ( V )		200-700	
MPPT Full Power Voltage Range ( V )	320-600		300-600
Rated Input Voltage ( V )		400	
Start-up Voltage ( V )		200	
Max. Input Current ( A )	38×3	40×3	38×4
Max. Short Current ( A )	48×3	48×3	48×4
No. of MPP Tracker / No. of PV String	3/6	3/7	4/8
Input Connector Type		MC4	
AC Output Data	GMTL20KWS	GMTL25KWS	GMTL30KWS
Max. Output Power ( VA )	22000	27500	33000
Nominal Output Power ( W )	20000	25000	30000
Max. Output Current ( A )	60	80	96
Nominal Output Voltage ( V )		3P+N+PE/3P+PE 133/220 or 230	
Grid Voltage Range		180Vac-260Vac (According to local standard)	
Nominal Output Frequency ( Hz )		50/60	
Grid Frequency Range		45-55Hz/55-65 Hz (According to local standard)	
Output Power Factor		1 default (adjustable from 0.8 leading to 0.8 lagging)	
Output Current THD		<3%	
Efficiency	GMTL20KWS	GMTL25KWS	GMTL30KWS
Max. Efficiency		98.40%	
Euro Efficiency		98.10%	
Protection	GMTL20KWS	GMTL25KWS	GMTL30KWS
PV Reverse Polarity Protection		YES	
PV Insulation Resistance Detection		YES	
AC Short Circuit Protection		YES	
AC Over Current Protection		YES	
AC Over Voltage Protection		YES	
Anti-Islanding Protection		YES	
Residual Current Detection		YES	
Over Temperature Protection		YES	
Integrated DC switch		YES	
Surge Protection		Integrated (Type II)	
General Data	GMTL20KWS	GMTL25KWS	GMTL30KWS
Dimensions (W x H x D, mm)		710×470×236	
Weight ( kg )		44	51
Protection Degree		IP65	
Enclosure Material		Aluminum	
Ambient Temperature Range ( °C )		-25 - + 60	
Humidity Range		0 - 100%	
Topology		Transformerless	
Communication Interface		RS485 / WiFi / Wire Ethernet / GPRS (optional)	
Cooling Concept		Intelligent fan cooling	
Noise Emission ( db )	<51		<55
Night Power Consumption ( W )		<1	
Max. Operation Altitude ( m )		2000	
Certifications and Standards			
EMC Standard	EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12		
Safety Standard	IEC 60068, UL1741, EN62109		
Grid connection	IEEE1547, CSA C22, EN50549, VDE4105, VDE0126, RD1699, ABNT NBR16149 & 16150, AS4777.2, NB/T32004, G98/G99, IEC61727		