ZTTEK

Solar Inverter GD Pro Series

4000W~11000W

Model

- GD4024SMH
- GD6248SMH
- GD11048SMH



Lithium Battery Auto-restart Function,
More Convenient for Lithium Battery Charging

Intelligent Power Supply Mode, Intelligent
Distribution of Solal Panel/Mains/BatteryPower Shares

Utility Charging Voltage/PV Charging Voltage Adjustable,
Match Different Battery Charging Requirements

Convenient Installation And Transportation

Battery Reverse Connection Protection with Fuse
Switch, Safer Installation

PF1.0, High Efficiency, Lower Consumption,Energy
Conservation/Environmental Protection/Electricity Saving/
Cost Saving

Support Working without Battery:
Reduce Solar System Cost

Parallel Function Up to Maximum 9 Units:
Enlarge More Loads

Communication Option:
External WIFI, Supervise at Any Time

BMS function for lithium battery

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Zhitai Runhe New Energy (Suzhou) Co., Ltd.

Suzhou, Jiangsu Province, China sales@zttek.tech http://zttek.tech

Model	GD4024SMH	GD6248SMH	GD11048SMH
Input Wiring		L+N+PE	
Rated Input Voltage		220/230/240VAC	
Voltage Range		90–280VAC±3V(Normal)170–280VAC±3V(UPS)	
Frequency Range		50Hz/60Hz Auto-adaptive	
Battery Inverter Power	4000W	6200W	11000W
PV Inverter Power	4500W	6500W	15000W
Output Voltage		220/230/240VAC±5%	
Output Frequency		50/60Hz±0.1%	
Waveform		Pure Sine Wave	
Transfer Time (Adjustable)		10ms for IT devices, 20ms for home appliances	
Peak Power	8000VA	12400VA	22000VA
Overload Capacity		Battery Mode:11s@105%-150% Load;2s@150%-200% Load;400ms@>200% Load	
Grid-tied Operation			
Output Voltage		220/230/240VAC	
Grid Voltage Range		170–265VAC	
Grid Frequency Range		49–51±1Hz / 59–61±1Hz	
Rated Output Current	17.4A	26.9A	47.8A
Power Factor		>0.99	
Max DC/AC Efficiency		98%	
Battery			
Rated Voltage	24VDC	48VDC	48VDC
Constant Charging Voltage (Adj.)	28.2VDC	56.4VDC	56.4VDC
Float Charging Voltage (Adj.)	27VDC	54VDC	54VDC
Charging			
PV Charging Method	MPPT	MPPT	Dual MPPT
Max PV Input Power	6500W	8500W	2×7500W
MPPT Voltage Range		60–500VDC	90–500VDC
Optimal Vmp Range		300–400VDC	360–430VDC
Max PV Input Voltage		500VDC	
Max PV Input Current		27A	27A/27A
Max PV Charging Current		120A	150A
Max Utility Charging Current		100A	150A
Max Total Charging Current		120A	150A
LCD Interface		Displays running mode, load, input & output	

Model	GD4024SMH	GD6248SMH	GD11048SMH
Interfaces			
RS232		Baud rate:2400	
Expansion Port		BMS communication, WIFI, dry contact	
Parallel Port	No parallel support	Parallel supported	
Environmental Specs			
Operating Temp.		-10~50℃	
Operating Humidity		20%–95% (non-condensing)	
Storage Temp.		-15~60℃	
Altitude		≤1000m full power;Derate above 1000m, max 4000m, ref. IEC62040	
Noise		≤50dB	
Protection Class		IP21	

Applications



Residential PV
& Energy Storage



Yacht Off-Grid
Backup Powe



Outdoor Base Station
& Off-grid Power Supply



Agricultural PV Power
Generation



Self-consumption for Small Shops
& Convenience Stores



Small-scale Commercial
& Industrial PV

All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.