

SMART POWER CONTROLLER  
**hopePowerBox**  
**-G01**



## FEATURES



### Flexible Networking

- Support RS485, Ethernet, WLAN multiple communication interfaces
- Support IEC 104, Modbus-RTU, Modbus-TCP and other communication protocols



### Reliability

- Safety improvement with built-in SPD
- Wide operation voltage range



### Power Control

- Multi-inverter zero export control function
- Output power limitation control
- Support external CT configuration (100 ~ 4000A)

## PARAMETERS

Model	hopePowerBox-G01
<b>Communication Interface</b>	
Max. Number of Inverter Connection	30
RS485 Interface	3 (2 for main use, 1 for backup)
Networking	RJ45/Wi-Fi
<b>Power Supply</b>	
AC Input	380/400VAC, 50/60Hz
Grid Type	3W + N + PE/3W + PE
<b>Ambient Condition</b>	
Operating Temperature	-40 ~ +60°C
Storage Temperature	-40 ~ +70°C
Operating Humidity	5 ~ 95% (non condensation)
Operating Altitude	≤5000m
Ingress Protection Class	IP65
<b>Mechanical Parameters</b>	
Dimensions (W*H*D)	430*410*130mm
Weight	≤7kg

## ZERO EXPORT SOLUTION-SINGLE-INVERTER

### FEATURES



#### String Inverter + Smart Meter

- Integrated solution, the meter can be installed outdoors
- Hopewind cloud intelligent parameter configuration and online monitoring
- Support CT flexible configuration to adapt to different project scales



Indoor type meter

Outdoor type meter

CT

## TECHNICAL PARAMETERS

Application Type	Single-Phase Direct Access Type	Three-Phase Direct Access Type	Three-Phase Ct Access
Input Voltage	184~276VAC	320~480VAC	320~480VAC
Input Current	0.5~100A	0.5~100A	300 / 5A
Input Frequency	45~65HZ		
Voltage Measurement Accuracy	0.50%		
Current Measurement Accuracy	0.50%		
Power Consumption	≤2W		
Communication Method	RS485		
Protection Degree	IP51 (indoor type) / IP65 (outdoor type)		

## TECHNICAL PARAMETERS-CT

Model	Power Section	Rated Current Ratio	Accuracy Class	Hole Diameter(Mm)
Snap Type On Off Transformer	150kW	300 / 5A	0.50%	Φ24
	250kW	500 / 5A		Φ35
	400kW	800 / 5A		Φ50
	500kW	1000 / 5A		
On Off Square Hole Transformer	1.5MW	3000 / 5A		160*160