

CH1000

Control Hub



Product advantages

- Support monitoring via cloud or mobile APP. Device include inverter, battery, energy meter, EV charger, heat pump.
- Built-in EMS function include self-consumption, time of use mode, scheduled charging and discharging, VPP access.
- Emergency power off, millisecond power controlling.



Model	CH1000
Communication to Inverter	
Max. number of connected devices	60pcs
To Micro inverter	868/915Mhz, 802.15.4
To Residential & Commercial & Industrial inverter	RS485
Power Supply (Adapter)	
Type	External Adapter
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60 Hz
Adapter output voltage/current	12V/2A
Power consumption	Max. 5.0W
Internet Connection Options	
Wi-Fi	2.4G, 802.11b/g/n
Mobile	Optional, LTE CAT.4
Ethernet	RJ45 × 2, 10M/100Mbps
Other Interface	
RS485	COM × 3, Modbus-RTU
DRM	RJ45 × 1, DRM0/5/6/7/8
Analog Signal Input	×4, 4~20mA
Digital Signal Output	× 2, Dry Contact
Digital Signal Input	× 4, Dry Contact
Interaction	
LED	LED Indicator ×3
APP	SOFAR Cloud
Mechanical Data	
Operating temperature range(℃)	-40 to +65
Environmental rating	IP20
Dimensions (L × W × H mm)	217 * 125 * 34
Altitude	3000m
Installation method	Wall mounting / Desktop mounting / DIN rail
Compliance	
Certificates	IEC61000-6-1/2/3/4, CE-RED, RoHS
Inverter Compatibility	
Micro inverter model	MR500 / MR1000 / MR2000
Residential inverter *	HYD 5-20KTL-3PH / ESI 3-6K-S1
Commercial & Industrial inverter model	SOFAR 25-50KTLX-G3 / 60-80KTLX-G3 / 100-125KTLX-G4

*All specifications are subject to change without notice.