

KOOL VM Series

Solar Energy Storage Inverter



chillnet Solar
the power of simplicity

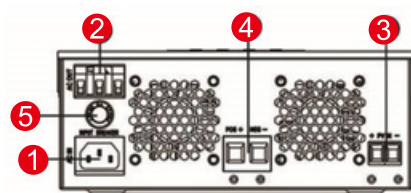


Product Snapshot

Model: 2.2kW

Nominal Voltage: 230VAC

Frequency Range: 50Hz/60Hz



2.2KVA

- ❶ AC input
- ❷ AC output
- ❸ PV input
- ❹ Battery input
- ❺ Circuit breaker



Key Features:

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional anti-dusk kit

KOOL VM Series

Wall Mounted Integrated Solar Power Inverter Technical Specification

Built-in MPPT Solar Controller

MODEL	KOOL VM 2200-24
Rated Power	2200VA/2200W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	4000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	31 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Open Circuit Voltage	102 VDC
Maximum PV Array Power	1400 W
MPPT Range @ Operating Voltage	30 ~ 80 VDC
Maximum Solar Charge Current	50 A
Maximum AC Charge Current	20 A
Maximum Charge Current	60 A
PHYSICAL	
Dimension, D x W x H (mm)	330X245X103
Net Weight (kgs)	5
Communication Interface	USB/RS232
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Note: Product specifications are subject to change without further notice.

