

---

# OFF GRID HYBRID INVERTER

**CM-N Series 1.5 / 2.5 / 3.5KW PV 30-500Vdc**



Battery  
Wake-up Function



Output  
Multiple Priority



MPPT



PV 30-500Vdc



Anti-shock  
design terminal



High Efficiency



Pure sine wave



WiFi



## Product Features

- **Battery Wake-up Function**
- **Pure Sine Wave**
- **PV Input 500Vdc Max**
- **Built-in MPPT 60A-100A**
- **Detachable dust cover for harsh environment**
- **Wifi remote monitoring optional**
- **Support multiple output priority: UTL, SOL, SBU, SUB**
- **EQ function to optimize battery performance and extend lifecycle**

# Technical Data

MODEL	CM1500-12N	CM1500-24N	CM2500-24N	CM3500-24N
Capacity	1500VA/1500W	1500VA/1500W	2500VA/2500W	3500VA/3500W
Parallel Capability	NO	NO	NO	NO
Lithium Battery Activation	NO	NO	NO	NO
Battery Wake-up Function	YES	YES	YES	YES
<b>INPUT</b>				
Nominal Voltage	230VAC			
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)			
Frequency	50/60 Hz (Auto sensing)			
<b>OUTPUT</b>				
Nominal Voltage	220/230VAC±5%			
Surge Power	3000VA	3000VA	5000VA	7000VA
Frequency	50/60 Hz			
Waveform	Pure Sine wave			
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)			
Peak Efficiency (PV to INV)	96%			
Peak Efficiency (Battery to INV)	93%			
Overload Protection	5s@ > =140% load; 10s@100%~140% load			
Crest Factor	3:1			
Admissible Power Factor	0.6~1 (inductive or capacitive)			
<b>BATTERY</b>				
Battery Voltage	12Vdc	24Vdc		
Floating Charge Voltage	13.5Vdc	27Vdc		
OverCharge Protection	14.1Vdc	28.2Vdc		
Charging Method	CC/CV			
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Solar Charger TYPE	MPPT			
Max.PV Array Power	2000W	2000W	3000W	4000W
Max. PV Array Open Circuit Voltage	500VDC			
PV Array MPPT Voltage Range	30VDC~500VDC			
Max. Solar Input Current	15A			
Max. Solar Charge Current	100A	60A	100A	100A
Max. AC Charge Current	60A	60A	60A	60A
Max. Charge Current(AC+PV)	100A	60A	100A	100A
<b>PHYSICAL</b>				
Dimensions, D x W x H(mm)	330*278*98			
Package Dimensions, D x W x H(mm)	400*365*174			
Net Weight (Kgs)	3.8	3.8	3.95	3.95
Communication Interface	RJ45 For WiFi			
<b>ENVIRONMENT</b>				
Operating Temperature Range	-10°C to 50°C			
Storage temperature	-15°C~ 60°C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			

\*Product specifications are subject to change without further notice.