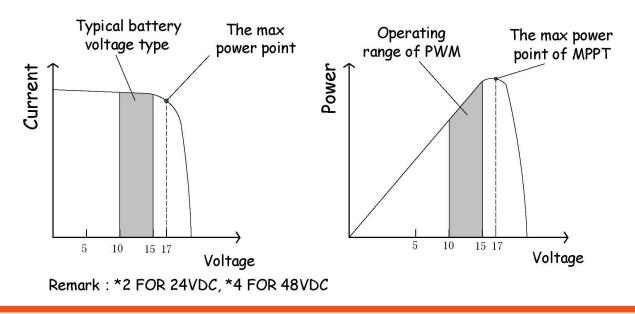


Features

COSUPER

- Professional solution for Off-Grid solar system
- Auto switch 4 FUN: DC to AC , AC bypass, AC charger and UPS
- Real MPPT solar charge controller. MAX PV volt 150VDC. MAX PV power 4680W
- DIP Switches : Low Battery, AC Input Range , Power Saver, Solar/Utility AC Priority
- Efficient up 3~5% than traditional power frequency inverter
- Visualized and detailed info of solar charging and inverting
- RJ45 Remote control and RS232 network communication interface (optional)
- Excellent load capacity: MAX 3*rated power.
- Pure sine wave output ,input & output fully isolation
- Supply power via hybrid power (grid power or diesel) compatibly
- Built-in relay and AC/DC breaker
- Advanced microprocessor control
- Input polarity/UVP/OVP/OSP/OLP/OTP
- Attractive appearance with V0 Fire-protection rated plastic materials



Intelligent MPPT Hybrid Inverter-CPS8000

Specifications

COSUPER

AC Output Forguency Surge Power 24000W(s28) Output Frequency 50/60Hz ±0.5% Output Waveform True sine wave (THD>3%) P.F. Allowed	Item	Models	CPS8000-2484M	CPS8000-2486M	CPS8000-2489M
AC Output Output Frequency S0/60Hz ±0.5% Output Waveform True sine wave (THD<3%)	AC Output	Output Power	8000W		
AC OutputOutput WaveformTrue sine wave (THD-3%)P: F AllowedCOS8-90*-COS8+90*Efficiency90%Input Voltage Range46VDCVoltage Range40.0-62.0VDC/42.0-64.0VDCPoc InputFault IndicationRemote ControlLED Red and Buzzer AlarmRemote ControlRemote ControlFault Indication184-253VAC / 164-253VACAC Range100-135VAC / 90-135VACFast Voltage56.0-60.4VFloat Voltage55.2VOver charge Protection62.8V for 48VCharge Current55ASolar panel Max2160W2340W4320WMPPT Solar Charge45ARated charge current45A60A90ADC Load Current15A (MAX)Input PV Voltage150VDC(MAX)Transfer Time-52.8mx/°CMax bypass current80A/40AMorking Humidity20-90%RHSafety and EMIUL468Working temp.20-90%RHSafety and EMIUL468Vorking temp.30-70°CCooling-30-70°C		Surge Power	24000W(≤2S)		
Output WaveformTrue sine wave (THD<3%)P: F. AllowedCOS8-90°-COS8+90°Efficiency90%Input Voltage90%Yoltage Range48VDCYoltage Range48VDCFault IndicationLED Red and Buzzer AlarmRemote ControlRemote ControlRemote Control184-253VAC / 154-253VAC / 154-253VACAC Range184-253VAC / 90-135VAC / 90-135VACFast Voltage56.0-60.4VFast Voltage55.2Vortage Protector62.8V for 48VVortage Protector55.4Yoltage Protector55.4Solar panel Max2160WSolar panel Max2160WSolar panel Max2160WRated Voltage150/VDC AutoPOPT Solar150 VOL(MAX)Input PV Voltage150/VDC(MAX)Input PV Voltage150/VDC(MAX)Input VV waveform150/VDC(MAX)Input VV waveformSafety and EMVorking Humidty20-90%RHVorking		Output Frequency		50/60Hz ±0.5%	
Bificiency90%Imput Voltage90%Voltage Range48VDCVoltage Range48VDCFault IndicationLED Red and Buzzer AlarrRemote ControlRemote ControlRemote Control10-135VAC / 154-253VAC / 154-253VACFast Voltage0-135VAC / 90-135VAC / 90-135VACFast Voltage56.0-60.4VFloat Voltage55.0-60.4VFloat Voltage53.2-55.2VOver charge Protection62.8V for 48VCharge Current56.0Solar panel Max2160WRated Voltage12V/24V/48VDC AutoRated Voltage12V/24V/48VDC AutoRated Voltage150VDC(MAX)Temp. compensation150VDC(MAX)Input PV Voltage150VDC(MAX)Input PV Voltage-52.8m/"CMax bypass current80A/40AMorking Humidity2090%RHVorking temp20-90%RHVorking temp20-50°CStorage Temp-30-70°CCooling-30-70°C		Output Waveform	True sine wave (THD<3%)		
Input VoltageInput VoltageVoltage Range-48VDCVoltage Range-48VDCFault IndicationLED Red and Buzzer AlarrRemote ControlRemote ControlRemote Control		P·F Allowed	COS0-90°~COS0+90°		
DC inputVoitage Range $40.0-62.0VDC/42.0-64.0VDC$ Fault IndicationLED Red and Buzzer AlarmRemote ControlRs-232/RJ45(Optional)AC Range184-253VAC / 154-253VACFast Voitage100-135VAC / 90-135VACFast Voitage56.0-60.4VFloat Voitage55.2VVer charge Protection82.8V for 48VCharge Current55.Asolar panel Max2160W2160W2340W4320W4320WRated Voitage12V/24V/48VDC AutoDC Load Current45.ABolar Current45.ACharge Current45.ABolar panel Max2160W2160W2340WVoitage90.ADC Load Current150.VDC(MAX)Input PV Voitage-52.8mv/"CTransfer Time<8 ms		Efficiency	90%		
DC InputFault IndicationLED Red and Buzzer AlarmRemote ControlRemote ControlRS-232/RJ45(Optional)AR Range184-253VAC / 154-253VACFast Voltage100-135VAC / 90-135VACFast Voltage56.0-60.4VFloat Voltage55.2-52.VOver charge Protection62.8V for 48VCharge Current62.8V for 48VSolar panel Max2160WRated Voltage2340WRated Voltage152/V24V/48VDC AutoRated Voltage150/VDC (MAX)DC Load Current45ABV Das150/VDC (MAX)Input PV Voltage-52.8mv/°CTemp. compensation-52.8mv/°CMax bypass current80A/40AMax bypass current0ULIHSVorking Humidity20-90%RHWorking temp20-50°CYothere-30-70°CCooling-30-70°C	DC Input	Input Voltage	48VDC		
Path Indication IEED Reclaid BUZGE Addim Remote Control Rs-232/RJ45(Optional) AC Range 184-253VAC / 154-253VAC Fast Voltage 56.0~60.4V Float Voltage 56.0~60.4V Float Voltage 55.2V Over charge Protection 62.8V for 48V Charge Current 55.A solar panel Max 2160W 2340W 4320W Rated Voltage 12V/24V/48VDC Auto 4320W Rated Voltage 12V/24V/48VDC Auto 90A DC Load Current 45A 60A 90A Input PV Voltage 15VDC(MAX) 90A 90A Temp. compensation -52.8mu/*C - - Bypass Input Vot. waveform Utility AC or Generator (Sine wave/*C - Max bypass current 80A/40A - - Max bypass current Safe		Voltage Range	40.0~62.0VDC/42.0~64.0VDC		
AC Range Image: Im		Fault Indication	LED Red and Buzzer Alarm		
AC RangeAC ChargeImage: Section of AV (Section of AV)Fast Voltage56.0~60.4VFloat Voltage53.2-55.2VOver charge Protection62.8V for 48VCharge Current55.4Solar panel Max2160WRated Voltage12V/24V/48VDC AutoRated Voltage60ADC Load Current12V/24V/48VDC AutoInput PV Voltage150/DC(MAX)Input PV Voltage-52.8mv/°CTransfer Time<8 ms		Remote Control	RS-232/RJ45(Optional)		
AC Charger Fast Voltage Fast Voltage Fast Voltage Float Voltage Float Voltage Float Voltage Float Voltage Ver charge Protection Charge Current Solar panel Max Solar	_		184-253VAC / 154-253VAC		
AC Charger Float Voltage 53.2-55.2V Over charge Protection 62.8V for 48V Charge Current 62.8V for 48V Solar panel Max 2160W 2340W 4320W MPPT Solar Rated Voltage 12V/24V/48VDC Auto 4320W Rated charge current 45A 60A 90A DC Load Current 150VDC(MAX) 90A Input PV Voltage 150VDC(MAX) 150VDC(MAX) Temp. compensation -52.8mv/°C -52.8mv/°C Max bypass current 8ms -50.28mv/°C Max bypass current 80A/40A -50.90%RH Max bypass current 80A/40A -20-90%RH Max bypass current UL458 LVD (EN60950) Morking temp. -20-50°C -20-50°C Others Storage Temp -30-70°C		AC Range		100-135VAC / 90-135VAC	
Proof Voitage Proof Voitage Over charge Protection 62.8V for 48V Charge Current 55A Solar panel Max 2160W 2340W 4320W Rated Voltage 12V/24V/48VDC Auto 90A Rated charge current 45A 60A 90A DC Load Current 45A 60A 90A DC Load Current 15A (MAX) 90A Input PV Voltage 150VDC(MAX) 90A Temp. compensation -52.8mv/°C -52.8mv/°C MpppSase Input Vot. waveform -58 ms Bypass Input Vot. waveform 20.90%RH Max bypass current 80A/40A 20.90%RH Safety and EMI UL458 LVD (EN60950) Working temp. -20-50°C -30-70°C Others Storage Temp -30-70°C		Fast Voltage	56.0~60.4V		
Charge CurrentStar panel Max2160WStar Q340W4320WRated Voltage-12V/24V/48VDC Auto4320WRated Voltage-12V/24V/48VDC Auto90ADC Load Current45A60A90ADC Load Current-15A (MAX)90AInput PV Voltage-52.8mv/°CTemp. compensation-52.8mv/°CMPPT Solar-52.8mv/°CMax bypass current<		Float Voltage		53.2-55.2V	
NPPT Solar Charger (optional)solar panel Max2160W2340W4320WRated Voltage		Over charge Protection	62.8V for 48V		
Rated VoltageI2V/24V/48VDC AutoMPPT Solar Charger (optional)Rated charge current45A60A90ADC Load CurrentIDC Load Current15A (MAX)90AInput PV VoltageISOVDC(MAX)Temp. compensation-52.8mv/°CMax bypass current<8 ms		Charge Current		55A	
MPPT Solar Charger (optional)Rated charge current45A60A90ADC Load CurrentDC Load Current15A (MAX)Input PV Voltage150VDC(MAX)Temp. compensation-52.8mv/°CTransfer Time<\$8 ms	Charger	solar panel Max	2160W	2340W	4320W
Charger (optional) DC Load Current 15A (MAX) Input PV Voltage 150VDC(MAX) Temp. compensation -52.8mv/°C Transfer Time <8 ms		Rated Voltage		12V/24V/48VDC Auto	
Coptional)Decload currentTisk (MRX)Input PV Voltage150VDC(MAX)Temp. compensation-52.8mv/°CTransfer Time<8 ms		Rated charge current	45A	60A	90A
Temp. compensation -52.8mv/°C Transfer Time <8 ms		DC Load Current	15A (MAX)		
Image: Figure		Input PV Voltage	150VDC(MAX)		
Bypass Input Vot. waveform Utility AC or Generator (Sine wave) Max bypass current 80A/40A Vorking Humidity 20-90%RH Safety and EMI UL458 Working temp. -20~50°C Storage Temp -30~70°C Cooling Temperature controlled cooling fan		Temp. compensation	-52.8mv/°C		
Max bypass current 80A/40A Working Humidity 20-90%RH Safety and EMI UL458 Working temp. LVD (EN60950) Working temp. -20~50°C Storage Temp -30~70°C Cooling Temperature controlled cooling fan	Bypass	Transfer Time	<8 ms		
Working Humidity 20-90%RH Safety and EMI UL458 Working temp. -20~50°C Storage Temp -30~70°C Cooling Temperature controlled cooling fan		Input Vot. waveform	Utility AC or Generator (Sine wave)		
Safety and EMI UL458 LVD (EN60950) Working temp. -20~50°C Storage Temp -30~70°C Cooling Temperature controlled cooling fan		Max bypass current	80A/40A		
Working temp. -20~50°C Others Storage Temp Cooling Temperature controlled cooling fan	Others	Working Humidity	20-90%RH		
Others Storage Temp -30~70°C Cooling Temperature controlled cooling fan		Safety and EMI	UL458	LV	D (EN60950)
Cooling Temperature controlled cooling fan		Working temp.		-20~50 ℃	
		Storage Temp	- 30~70 ℃		
		Cooling	Temperature controlled cooling fan		
Size (IIIII) 050°505°210		Size (mm)	650*505*210		
Weight (kg) 70 73		Weight (kg)	70 73		

*Note: The Specifications are subject to changes without notice.