



5KW

Y-Series

Making More Power

Product Features

US Standard

Supports up to 6 units in parallel

Beautiful appearance, simple installation, practical and convenient

The MPPT tracking efficiency can reach 99.9%

It has comprehensive security protection from software to hardware

Product Parameters

Model	YO-5K-US2
Inverter Output	
Rated Output Power	5000W
Max. Peak Power	10000W
Rated Output Voltage	120V, Single-phase/240V, split-phase
Motor Load Capacity	4.8HP
Rated Power	60Hz
Output Voltage Waveform	Pure Sine Wave
Transfer Time	(10ms (typical value). The maximum value is 20ms for single unit and 30ms for parallel operation.)
The Number Of Units That Can Be Paralleled	6 (Unit)
Overload protection	Adopting an inverse time overload protection algorithm
Battery	
Battery Type	Lithium-ion battery/ Lead-acid battery
Rated Battery Voltage	51.2V
Battery Voltage Range	40~60V
Max PV Charging Current	120A
Max Mains/generator Charging Current	100A
Max. Mixed Charging Current	120A
PV Input	
The Number Of MPPT Channels	1
Maximum Input Power	7500W
Maximum Input Current	27A
Maximum Open-circuit Voltage	500V
MPPT Operating Voltage Range	125~425V
Utility /generator Input	
Input Voltage Range	90~275V
Input Frequency Range	60/55-65Hz
Bypass Overload Current	40A
Efficiency	
MPPT Tracking Efficiency	99.90%
Max Efficiency Of Battery Inverter	93%
Universal	
Dimensions	470*400*130mm
Weight	17.2kg
Protecting Level	IP20/IP54
Operating Temperature Range	-10~55C
Noise	≤45dB
Heat Dissipation	Intelligent air cooling
Warranty Period	3 Years
Communication	
Communication Method	RS485/CAN/GPRS/WIFI/ Bluetooth/4G/LAN(Optional)
Certification	
Overview	UL 1741 3nd Edition (September 28, 2021),CSA-C22.2 No.107.116,UL991/UL1998,CEC Efficiency, UL 1699B,IEEE2030.5&E5000&E5036,FCC PART 15B



6KW

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Product Parameters

Model	YO-6K-US2
Inverter Output	
Rated Output Power	6000W
Max. Peak Power	12000W
Rated Output Voltage	120V, Single-phase/240V, split-phase
Motor Load Capacity	4.8HP
Rated Power	60Hz
Output Voltage Waveform	Pure Sine Wave
Transfer Time	(10ms (typical value). The maximum value is 20ms for single unit and 30ms for parallel operation.)
The Number Of Units That Can Be Paralleled	6 (Unit)
Overload protection	Adopting an inverse time overload protection algorithm
Battery	
Battery Type	Lithium-ion battery/ Lead-acid battery
Rated Battery Voltage	51.2V
Battery Voltage Range	40~60V
Max PV Charging Current	120A
Max Mains/generator Charging Current	100A
Max. Mixed Charging Current	120A
PV Input	
The Number Of MPPT Channels	1
Maximum Input Power	9000W
Maximum Input Current	27A
Maximum Open-circuit Voltage	500V
MPPT Operating Voltage Range	125~425V
Utility /generator Input	
Input Voltage Range	90~275V
Input Frequency Range	60/55-65Hz
Bypass Overload Current	50A
Efficiency	
MPPT Tracking Efficiency	99.90%
Max Efficiency Of Battery Inverter	93%
Universal	
Dimensions	472*422*130mm(IP20)
Weight	17.2kg(IP20)
Protecting Level	IP20/IP54
Operating Temperature Range	-10~55C
Noise	≤45dB
Heat Dissipation	Intelligent air cooling
Warranty Period	3 Years
Communication	
Communication Method	RS485/CAN/GPRS/WIFI/ Bluetooth/4G/LAN(Optional)
Certification	
Overview	UL 1741 3rd Edition (September 28, 2021),CSA-C22.2 No.107.116,UL991/UL1998,CEC Efficiency, UL 1699B,IEEE2030.5&E5000&E5036,FCC PART 15B



8KW

Y-Series

Making More Power

Product Features

US Standard

Supports up to 6 units in parallel

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Product Parameters

Model	YO-8K-US2
Inverter Output	
Rated Output Power	8000W
Max. Peak Power	16000W
Rated Output Voltage	120V, Single-phase/240V, split-phase
Motor Load Capacity	5HP
Rated Power	50/60Hz
Output Voltage Waveform	Pure Sine Wave
Transfer Time	10ms
The Number Of Units That Can Be Paralleled	1-6(Unit)
Overload protection	Adopting an inverse time overload protection algorithm
Battery	
Battery Type	Lithium-ion battery / lead-acid battery/User-defined
Rated Battery Voltage	48V
Battery Voltage Range	40~60V
Max PV Charging Current	180A
Max Mains/generator Charging Current	100A
Max. Mixed Charging Current	180A
PV Input	
The Number Of MPPT Channels	2
Maximum Input Power	7,500W+7,500W
Maximum Input Current	22A+22A
Maximum Open-circuit Voltage	500V+500V
MPPT Operating Voltage Range	125~425V
Utility /generator Input	
Input Voltage Range	90~275V
Input Frequency Range	50/60Hz
Bypass Overload Current	63A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max Efficiency Of Battery Inverter	92%
Universal	
Dimensions	450*620*142mm
Weight	27kg
Protecting Level	IP20/IP54
Operating Temperature Range	-10~55℃, >45℃ Derating
Noise	<60dB
Heat Dissipation	Intelligent air cooling
Warranty Period	3 Years
Communication	
Communication Method	Wi-Fi/Bluetooth/RS 485/CAN/USB/Dry contact
External module (optional)	4G



10KW

Y-Series

Making More Power

Product Features

US Standard

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Product Parameters

Model	YO-10K-US2
Inverter Output	
Rated Output Power	10000W
Max. Peak Power	20000W
Rated Output Voltage	120V, Single-phase/240V, split-phase
Motor Load Capacity	6HP
Rated Power	50/60Hz
Output Voltage Waveform	Pure Sine Wave
Transfer Time	10ms
The Number Of Units That Can Be Paralleled	1-6 (Unit)
Overload protection	Adopting an inverse time overload protection algorithm
Battery	
Battery Type	(Lithium-ion battery / lead-acid battery/User-defined
Rated Battery Voltage	48V
Battery Voltage Range	40~60V
Max PV Charging Current	200A
Max Mains/generator Charging Current	120A
Max. Mixed Charging Current	200A
PV Input	
The Number Of MPPT Channels	2
Maximum Input Power	7,500W+7,500W
Maximum Input Current	22A+22A
Maximum Open-circuit Voltage	500V+500V
MPPT Operating Voltage Range	125~425V
Utility /generator Input	
Input Voltage Range	90~275V
Input Frequency Range	50/60Hz
Bypass Overload Current	63A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max Efficiency Of Battery Inverter	92%
Universal	
Dimensions	450*620*142mm
Weight	27kg
Protecting Level	IP20/IP54
Operating Temperature Range	-10~55°C, >45°C Derating
Noise	<60dB
Heat Dissipation	Intelligent air cooling
Warranty Period	3 Years
Communication	
Communication Method	Wi-Fi/Bluetooth/RS 485/CAN/USB/Dry contact
External module (optional)	4G



12KW

Y-Series

Making More Power

Product Features

US Standard

Supports up to 6 units in parallel

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Product Parameters

Model	YO-12K-US2
Inverter Output	
Rated Output Power	12000W
Max. Peak Power	24000W
Rated Output Voltage	120V, Single-phase/240V, split-phase
Motor Load Capacity	6HP
Rated Power	50/60Hz
Output Voltage Waveform	Pure Sine Wave
Transfer Time	10ms
The Number Of Units That Can Be Paralleled	1-6 (Unit)
Overload protection	Adopting an inverse time overload protection algorithm
Battery	
Battery Type	Li-ion / Lead-acid / User-defined
Rated Battery Voltage	48V
Battery Voltage Range	40~60V
Max PV Charging Current	220A
Max Mains/generator Charging Current	140A
Max. Mixed Charging Current	220A
PV Input	
The Number Of MPPT Channels	2
Maximum Input Power	9,000W+9,000W
Maximum Input Current	22A+22A
Maximum Open-circuit Voltage	500V+500V
MPPT Operating Voltage Range	125~425V
Utility /generator Input	
Input Voltage Range	90~275V
Input Frequency Range	50/60Hz
Bypass Overload Current	63A
Efficiency	
MPPT Tracking Efficiency	99.9%
Max Efficiency Of Battery Inverter	92%
Universal	
Dimensions	450*620*142mm
Weight	27kg
Protecting Level	IP20/IP54
Operating Temperature Range	-10~55C,>45°C (Derating)
Noise	≤60dB
Heat Dissipation	Intelligent air cooling
Warranty Period	3 Years
Communication	
Communication Method	Wi-Fi/Bluetooth/RS 485/CAN/USB/Dry contact
External module (optional)	4G