

HYBRID SOLAR INVERTER/SINGLE PHASE

MEGA-6KW/8KW/10KW/14KW/16KW



 Parallel Operation
Up to 6 Units

 Wi-Fi

 2 Independent AC Inputs
2 Outputs

 Current Transformer

 High Efficiency
Max.98%

 80-450Vdc

 Maximize PV Input
Power(2 MPPTs)

 Touchscreen

MODEL	MEGA-6KW	MEGA-8KW	MEGA-10KW	MEGA-14KW	MEGA-16KW
PHASE	1-phase in /1-phase out				
MAXIMUM PV INPUT POWER	9000W	13500W	16200W	18900W	21800W
RATED OUTPUT POWER	6000W	8000W	10000W	14000W	16000W
MAXIMUM CHARGING POWER	6000W	8000W	10000W	12000W(56V)	14000W(56V)
GRID-TIED OPERATION					
PV INPUT(DC)					
Maximum DC Voltage	520Vdc				
Start-up Voltage	90Vdc/120Vdc				
MPPT Voltage Range	80Vdc-450Vdc				
Number of MPPT Trackers /Maximum Input Current	2/18A	2/18A+27A	2/27A+27A	3/18A+18A+27A	3/18A+18A+36A
GRID OUTPUT(AC)					
Nominal Output Voltage	220/230/240VAC				
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)				
Nominal Output Current	26.1A	34.8A	43.5A	60.9A	69.6A
Power Factor	>0.99				
EFFICIENCY					
Maximum Conversion Efficiency(DC/AC)	97%				
OFF-GRID OPERATION					
AC INPUT					
AC Start-up Voltage	120-140 VAC/180 VAC				
Acceptable Input Voltage Range	90-280 VAC				
Frequency Range	50 Hz/60 Hz(Auto sensing)				
Maximum AC Input Current	40A	50A	60A	87A	100A(Passthrough)
PV INPUT(DC)					
Maximum DC Voltage	520Vdc				
MPPT Voltage Range	80Vdc-450Vdc				
Number of MPPT Trackers/Maximum Input Current	2/18A	2/18A+27A	2/27A+27A	3/18A+18A+27A	3/18A+18A+36A
BATTERY MODE OUTPUT(AC)					
Nominal Output Voltage	220/230/240VAC				
Output Waveform	Pure sine wave				
Efficiency (DC to AC)	93%				
HYBRID OPERATION					
PV INPUT(DC)					
Maximum DC Voltage	520Vdc				
Start-up Voltage/Initial Feeding Voltage	90Vdc/120Vdc				
MPPT Voltage Range	80Vdc-450Vdc				
Number of MPPT Trackers/Maximum Input Current	2/18A	2/18A+27A	2/27A+27A	3/18A+18A+27A	3/18A+18A+36A
GRID OUTPUT(AC)					
Nominal Output Voltage	220/230/240VAC				
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)				
Nominal Output Current	26.1A	34.8A	43.5A	60.9A	69.6A
AC INPUT					
AC Start-up Voltage	120-140 VAC/180 VAC				
Acceptable Input Voltage Range	90-280VAC /170-280 VAC				
Maximum AC Input Current	40A	50A	60A	87A	100A(Passthrough)
BATTERY MODE OUTPUT(AC)					
Nominal Output Voltage	220/230/240VAC				
Efficiency (DC to AC)	93%				
BATTERY & CHARGER					
Nominal DC Voltage	48Vdc				
Maximum Solar Charging Current	135A	190A	210A	220A	260A
Maximum AC Charging Current	135A	190A	210A	220A	260A
Maximum Charging Current	135A	190A	210A	220A	260A
GENERAL					
PHYSICAL					
Dimension, D x W x H(mm)	521x470x236	520*470*244		660*460*288	
Net Weight (kg)	23.5	35	37	48	50
INTERFACE					
Parallel Function	6 units for single-phase supply, and 3 units for three-phase supply				
Communication Port	RS485/CAN/Wi-Fi/Dry contact				
ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
IP degree	IP65				
Operating Temperature	-10°C~-50°C				
Storage Temperature	-15°C~-60°C				

HYBRID SOLAR INVERTER/SINGLE PHASE

MEGA-ECO-3KW/6KW



Parallel Operation
Up to 6 Units



50-500Vdc(6KW)



2 Independent AC Inputs
2 Outputs



High Efficiency
Max.98%



Wi-Fi



Maximize PV Input
Power(2 MPPTs)



Current Transformer



Touchscreen

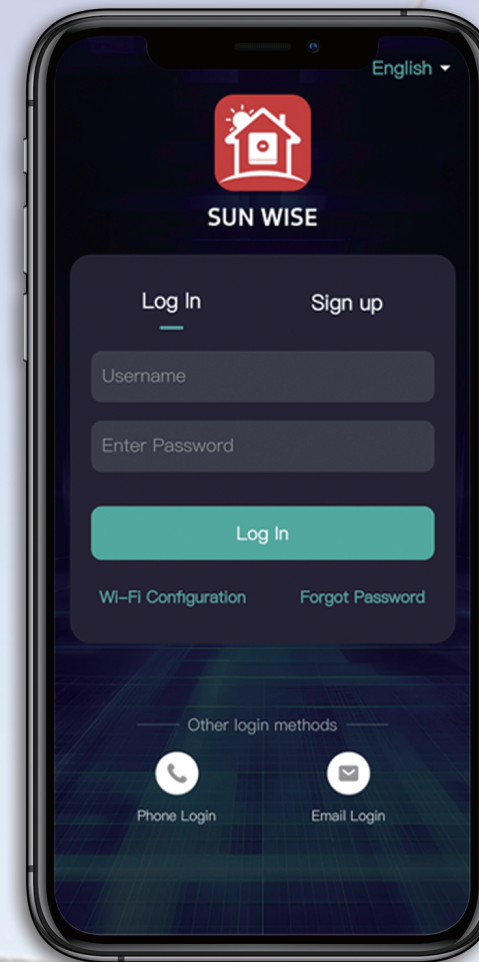
MODEL	MEGA-ECO-3KW	MEGA-ECO-6KW
PHASE	1-phase in /1-phase out	
MAXIMUM PV INPUT POWER	4500W	4500W+4500W
RATED OUTPUT POWER	3000W	6000W
MAXIMUM CHARGING POWER	3000W	6000W
GRID-TIED OPERATION		
PV INPUT(DC)		
Maximum DC Voltage	/	520Vdc
Start-up Voltage /Initial Feeding Voltage	/	90Vdc/120Vdc
MPPT Voltage Range	/	50Vdc-500Vdc
Number of MPPT Trackers /Maximum Input Current	/	2/18A
GRID OUTPUT(AC)		
Nominal Output Voltage	/	220/230/240VAC
Output Voltage Range	/	184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)
Nominal Output Current	/	26.1A
Power Factor	/	>0.99
EFFICIENCY		
Maximum Conversion Efficiency(DC/AC)	/	97%
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage	170VAC-280 VAC	
Acceptable Input Voltage Range	90-280 VAC(APL)or170-280VAC(UPS)	
Frequency Range	50 Hz/60 Hz(Auto sensing)	
Maximum AC Input Current	16A	40A
PV INPUT(DC)		
Maximum DC Voltage	500Vdc	520Vdc
MPPT Voltage Range	60Vdc-450Vdc	50Vdc-500Vdc
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure sine wave	
Efficiency (DC to AC)	93%	
HYBRID OPERATION		
PV INPUT(DC)		
Maximum DC Voltage	500Vdc	520Vdc
Start-up Voltage/Initial Feeding Voltage	90Vdc/120Vdc	
MPPT Voltage Range	60Vdc-450Vdc	50Vdc-500Vdc
Number of MPPT Trackers/Maximum Input Current	1/18A	2/18A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	184-264.5 VAC or 195.5-253 VAC or 184-264.4 VAC(Selectable)	
Nominal Output Current	13A	26.1A
AC INPUT		
AC Start-up Voltage	170VAC-280 VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280 VAC	
Maximum AC Input Current	16A	40A
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	24Vdc	48Vdc
Maximum Solar Charging Current	100A	125A
Maximum AC Charging Current	100A	125A
Maximum Charging Current	100A	125A
GENERAL		
PHYSICAL		
Dimension, D x W x H(mm)	451x353x160.2	471x444x200
Net Weight (kg)	12.3	18.5
INTERFACE		
Parallel Function	/	Yes, 6 units
Communication Port	RS232/RS485/Wi-Fi	RS485/CAN/Wi-Fi/Dry contact
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
IP degree	IP65	
Operating Temperature	-10° C～50° C	
Storage Temperature	-15° C～60° C	

SUN WISE Smart Energy Management Platform



SUN WISE

- ✓ **Live Monitoring:** Track solar system performance in real-time.
- ✓ **Detailed Insights:** Access reports on energy production and battery status.
- ✓ **Remote Control:** Supports remote upgrades and maintenance for optimized performance.
- ✓ **Instant Alerts:** Receive real-time notifications for system issues.



Manage your inverter operations
anytime, anywhere.



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