

Off-Grid Inverter EGE 3000 PRO SERIES

Low Frequency
1KW-6KW



Eco Green Energy is one of leading solar module manufacture and off-grid solar system provider, we can offer your our best quality product and service around you for " all your need".

EGE 3000 PRO series is very economical pure sine wave inverter, AC charger inbuilt, from 35A to 70A; Solar/AC priority is configurable, when setting solar priotiry, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current too lower, in this way system charge is optimized best. With pure copper transformer, it enables inverter to operate with all kinds of home appliances.

Key Features



- LCD display ,easy to read how inverter operates on LCD screen
- Compatible to generator
- 5 -levels DIP switch ,offering customized performance
- 9 - levels battery selector ,Enable to charge Gel , lead-acid battery
- DC(Solar)/AC priority optional
- 4 levels charge current adjustable
- With RS232 communication port
- With BTS & AGS , optimazing battery performance & start generator automatically
- Power saver Switch , Enable to minimize standby consumption



Rated power
1-6KW



Battery DC voltage
12V, 24V, 48V



Wide AC input range
155-280Vac / 96-132Vac



Wide frequency
40HZ-80HZ



Battery smart
charge design



Pure copper
UI transformer



3 times surge power
based on
capacity 1KW-6KW



Multi protection

Technical Parameters



REMOTE CONTROL

Control with a wired remote control panel

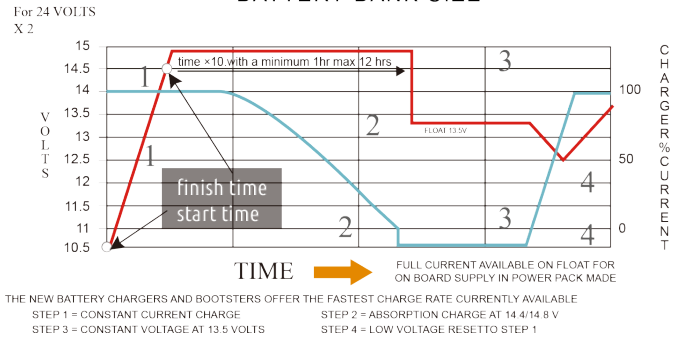
The remote control is particularly suitable when the power-source manager is installed behind a casing or in a place that prevents you from accessing the device. The remote control allows you to switch the power saving mode on/off easily.

* Please note that remote control panel is optional, not included in inverter package.

SMART BATTERY CHARGERS

Smart battery charger design for optimized battery performance.

ADJUSTABLE TIME DEPENDING ON BATTERY BANK SIZE



INVERTER SYSTEM CONNECTION

With the EGE 3000 PRO inverter system, it can work with battery as back up power for normal home power demands; meanwhile, you can also connect extra solar charge controllers and solar panels, as a complete solar system, which take use of sunshine freely and save lots electricity bill for you. This kind of solar inverter systems are widely used in home, farm, school, shops etc.

Solar Inverter System Connection:

Power Inverter + Battery + Solar Panels + Grid + Application Loads



Technical Parameters

Model No.	EGE 30-1KW PRO	EGE 30-2KW PRO	
Nominal Battery System Voltage	12VDC	12VDC	24VDC
INVERTER OUTPUT			
Rated Power	1.0KW	2KW	
Surge Rating(20ms)	3.0KW	6.0KW	
Capable Of Starting Electric Motor	1HP	1HP	
Waveform	Pure sine wave / same as input (bypass mode)		
Nominal Output Voltage RMS	100V /110V / 12VAC 220V / 230V / 240VAC (±10% RMS)		
Output Frequency	50Hz / 60Hz ±0.3Hz		
Inverter Efficiency (Peak)	>88%		
Line Mode Efficiency	>95%		
Power Factor	1.0		
Typical Transfer Time	10ms(max)		
AC INPUT			
Voltage	230VAC		
Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)		
Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz		
BATTERY			
Minimum Start Voltage	10.0VDC / 10.5VDC for 12VDC mode(*2 for 24VDC, *4 for 48VDC)		
Low Battery Alarm	10.5VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)		
Low Battery Cut Off	10.0VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)		
High Voltage Alarm	16.0VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)		
High Battery Voltage Recover	15.5VDC ±0.3V for 12VDC mode		
Idle Consumption-Search Mode	<25W when power saver on		
CHARGER			
Output Voltage	Depends on battery type		
Charge AC Input Breaker Rating	10A	30A	
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)		
Maximum Charge Current	35A	65A	35A
BYPASS & PROTECTION			
Input Voltage Waveform	Sine wave (grid or generator)		
Nominal Input Frequency	50Hz or 60Hz		
Overload Protection (SMPS Load)	Circuit breaker		
Output Short Circuit Protection	Circuit breaker		
Bypass Breaker Rating	10A	30A	
Max Bypass Current	30Amp		
MECHANICAL SPECIFICATIONS			
Mounting	Wall Mount		
Dimensions (W*H*D)	426*206*178mm		
Net Weight (Solar CHG)(kg)	16.5	21.1	20
Shipping Dimensions (W*H*D)	5570*335*300mm		
Shipping Weight (Solar CHG)(kg)	19.3	24.1	22.8
OTHER			
Operation Temperature Range	0°C to 40°C		
Storage Temperature	-15°C to 60°C		
Audible Noise	60dB MAX		
Display	LED+LCD		
Standard Warranty	1 year (IP20)		

Technical Parameters

Model No.	EGE 30-3KW PRO		EGE 30-4KW PRO	
Nominal Battery System Voltage	24VDC	48VDC	24VDC	48VDC
INVERTER OUTPUT				
Rated Power	3KW		4KW	
Surge Rating(20ms)	9.0KW		12KW	
Capable Of Starting Electric Motor	2HP			
Waveform	Pure sine wave / same as input (bypass mode)			
Nominal Output Voltage RMS	100V /110V / 12VAC 220V / 230V / 240VAC (±10% RMS)			
Output Frequency	50Hz / 60Hz ±0.3Hz			
Inverter Efficiency (Peak)	>88%			
Line Mode Efficiency	>95%			
Power Factor	1.0			
Typical Transfer Time	10ms(max)			
AC INPUT				
Voltage	230VAC			
Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)			
Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz			
BATTERY				
Minimum Start Voltage	10.0VDC / 10.5VDC for 12VDC mode(*2 for 24VDC, *4 for 48VDC)			
Low Battery Alarm	10.5VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)			
Low Battery Cut Off	10.0VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)			
High Voltage Alarm	16.0VDC ±0.3V for 12VDC mode(*2 for 24VDC, *4 for 48VDC)			
High Battery Voltage Recover	15.5VDC ±0.3V for 12VDC mode			
Idle Consumption-Search Mode	<25W when power saver on			
CHARGER				
Output Voltage	Depends on battery type			
Charge AC Input Breaker Rating	30A		40A	
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)			
Maximum Charge Current	45A	30A	65A	35A
BYPASS & PROTECTION				
Input Voltage Waveform	Sine wave (grid or generator)			
Nominal Input Frequency	50Hz or 60Hz			
Overload Protection (SMPS Load)	Circuit breaker			
Output Short Circuit Protection	Circuit breaker			
Bypass Breaker Rating	30A	30A	40A	
Max Bypass Current	30Amp			
MECHANICAL SPECIFICATIONS				
Mounting	Wall Mount			
Dimensions (W*H*D)	426*206*178mm		601*206*178mm	
Net Weight (Solar CHG)(kg)	24.5	24.8	38.2	35.8
Shipping Dimensions (W*H*D)	5570*335*300mm		750*335*300mm	
Shipping Weight (Solar CHG)(kg)	27.5	27.5	42.3	40
OTHER				
Operation Temperature Range	0°C to 40°C			
Storage Temperature	-15°C to 60°C			
Audible Noise	60dB MAX			
Display	LED+LCD			
Standard Warranty	1 year (IP20)			