



Energier Home

Inversor bidireccional
1 kw-6 kw

El inversor bidireccional EnerGier Home puede ser utilizado en múltiples aplicaciones. Puede utilizarlo para componer el sistema de respaldo de energía. O, con un ajuste rápido, puede componer un sistema híbrido solar simple con la red eléctrica o los generadores diésel.

Energier Home ha integrado múltiples funciones, incluyendo un cargador de batería poderoso, el inversor de onda sinusoidal verdadero y un interruptor de transferencia automática de alta velocidad.

tiene algunas características distinguidas diseñadas especialmente para los países en África, Oriente Medio y el Sudeste de Asia donde la red no está estable y se encuentre el bajo voltaje con frecuencia. EnerGier Home puede maximizar el uso de la red y automáticamente ajustar su carga de acuerdo con el ajuste.



- Bi directional inverter with pure sine wave output
- Can be applied for power backup and solar hybrid system
- High performance designed for all kinds of home appliances.
- TBB premium II multi stage charging algorithm with built in automatic temperature compensation
- Equalization charging program was available
- Compatible with majority of cheap generators in the market.
- Designed to work with weak grid
- Designed for tropical region with working temperature up to 60 °C
- Optional CM was available for automatic generator start
- Dry contacts
- T-Bus compatible (4 kw and above)

TS
Temperature Sensor



RCC
Simple remote monitor
with LED Display



LMD
Load management Device



CM
Automatic Generator start



Vision Lite
only for 4 kw above models





Model No.	12 VDC	CD0625L	CD1040L	CD1560L	CD2080L
	24 VDC	CD0615M	CD1020M	CD1530M	CD2040M
	48 VDC				CD2020S

Inverter

Nominal Voltage	12 VDC/24 VDC/48 VDC			
Cont. output power at 40°C (W)	600 W	1000 W	1500 W	2000 W
Cosp	0,9-1			
Overload Capability	>150%	20 s		
	>125%	1 min		
	>110%	15 mins		
Surge	300%			
Output voltage	230 VAC or 110 VAC ± 2%			
Output frequency	50 Hz or 60 Hz ± 0.1%			
Efficiency (max)	12 V	88%		
	24 V	88%		
	48 V	92%		
Bypass range	Standard Mode	184 VAC - 264VAC / 92 VAC - 132 VAC		
	GEN	160 VAC - 280VAC / 80 VAC - 140 VAC		
Crest factor	3:1			
THD	<3%			
Zero load power	17	22	27	36
Zero load power (power save mode)	4	5	7	9
Output circuit breaker	5 A	10 A	10 A	15 A
Overload protection	auto disconnect with 3 times restart attempt			
shortcut protection	auto disconnect			

Charger

Nominal Output Voltage	12/24 /48 VDC			
Max Output current (A) - adjustable	25/15	40/20	60/30	80/40/20
AC Input range	GEN mode	170VAC - 250VAC / 85 VAC - 125 VAC		
Battery types	AGM / GEL / Semi Traction / Traction			
Absorption time	variable			
Temperature compensation	-4 mV / °C / cell			
Charger circuit breaker	5 A	10 A	10 A	15 A

Other Data

Transfer time	GEN	2 s		
	GRID	15 ms		
Transfer switch	40 A	40 A	40 A	40 A
Battery connector	M8 x 2			
AC connector	Terminal block (M3 screw)			

Mechanical Data

Enclosure	Steel with powder paint			
Dimension (mm)	430x190x135		500x220x180	
Net Weight (kgs)	9,5	14	16	18,5
Cooling	Forced fan			
Protection	IP20			

Standard

Safety	EN60950-1			
EMC	EN55022,EN55024,EN61000-3-2,EN61000-3-3			



Model No.	24 VDC	CD3060M			
	48 VDC	CD3030S	CD4040S	CD5050S	CD6060S

Inverter

Nominal Voltage	24 VDC/48 VDC			
Cont. output power at 40°C (W)	3000 W	4000 W	5000 W	6000 W
Cosp	0,9-1			
Overload Capability	>150%	20 s		
	>125%	1 min		
	>110%	1 min		
Surge	300%			
Output voltage	230 VAC ± 2%			
Output frequency	50 Hz or 60 Hz ± 0.1%			
Efficiency (max)	24 V	88%	94,8%	
	48 V	92%		
Bypass range	Standard Mode	184 VAC - 264VAC		
	GEN	160 VAC - 280VAC		
Crest factor	3:1			
THD	<3%			
Zero load power	62	26	30	36
Zero load power (power save mode)	16	6	8	9
Output circuit breaker	30 A	30 A	30 A	40 A
Overload protection	auto disconnect with 3 times restart attempt			
shortcut protection	auto disconnect			

Charger

Nominal Output Voltage	24 /48 VDC			
Max Output current (A) - adjustable	60/30	40	50	60
AC Input range	GEN mode	170 VAC - 250 VAC		
Battery types	AGM / GEL / Semi Traction / Traction			
Absorption time	variable			
Temperature compensation	-4 mV / °C / cell			
Charger circuit breaker	30 A	30 A	30 A	40 A

Other Data

Transfer time	GEN	2 s		
	GRID	15 ms		
Transfer switch	40 A	48 A	48 A	48 A
Battery connector	M8 x 2			
AC connector	Terminal block (M3 screw)	Terminal block (M4 screw)		

Mechanical Data

Enclosure	Steel with powder paint			
Dimension (mm)	500x220x180	527x396x191		
Net Weight (kgs)	22,5	35	40	46
Cooling	Forced fan			
Protection	IP20			

Standard

Safety	EN60950-1			
EMC	EN55022,EN55024,EN61000-3-2,EN61000-3-3			