



PURSUIT OF PERFECTION



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ENERGIER PRO



Inverter Charger Combination

3 KW - 7.5 KW

Energier Pro is the inverter charger combination designed for solar offgrid and power backup solution. Energier Pro delivers high reliability, performance and industry leading efficiency for mission critical application. In areas where the grid is limited or unreliable, where diesel generators are still being heavily relied on, Energier Pro will be a perfect choice to compose a power backup or offgrid power solution.

Energier Pro integrated multiple functions, including a powerful battery charger, true sine wave inverter and a high speed automatic transfer switch. Its distinguishing surge capability makes it capable to power most demanding appliances, such as air conditioner, water pump, washing machine, freezer etc.

- Pure sine wave output with outstanding peak power
- High efficiency up to 95%
- Extremely low status consumption power
- Solar mode makes the energy from sun be used as primary
- TBB premium II multi stage charging algorithm with built in automatic temperature & voltage compensation charging
- Equalization charging program is available
- Lithium Battery charging algorithm is available for flooded battery
- Fully programmable with Vision Lite or Rapconfig software
- GEN mode makes it compatible with cheap generators in the market
- Weak Grid mode can dramatically increase the usage of grid upon available
- Built in Power Sharing Function
- Standby level adjustable
- Build in AGS
- Compatible with T-bus



SINETECH

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Cyber



Vision Lite



BGK

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Model No.	24 VDC	CF3045M	CF4080M	CF50100M	/	/
	48 VDC	CF3020S	CF4030S	CF5050S	CF6060S	CF8080S

Inverter

Nominal voltage (VDC)		24 / 48				
Power 30mins @25°C (W)		3000	4000	5000	6000	7500
Cont. power @25°C (VA)		3000	4000	5000	6000	8000
Cont. power@25°C (W)		2500	3500	4500	5000	7000
Cont.power @40°C (W)		2200	3200	4000	4500	6000
Output voltage (VAC)		230 ± 2%				
Output frequency (Hz)		50 / 60 ± 0.1%				
Surge		300%				
Efficiency (MAX)	24 V	92%				
	48 V	95%				
Crest factor		3:1				
THD		< 3%				
Bypass range (VAC)	UPS mode	184 - 264				
	GEN mode	173 - 276				
	Weak Grid mode	167 - 264				
Zero load power (W)		17	25	26	28	30
Zero load power (power save mode) (W)		4	6	6.5	7	7.5
Overload protection		auto disconnect				
Shortcut protection		auto disconnect				

Charger

Nominal output voltage (VDC)	24 / 48			48	
Max output current (A) - adjustable	45 / 20	80 / 30	100 / 50	60	80
AC Input range (VAC)	170 - 264				
Battery types	AGM / GEL(OPzV) LFP / Flooded				
Absorption time	variable				
Temperature compensation	- 4mV / °C / cell				
Slave charger	3 - 5 A float charge (24Vdc model only)				

Other Data

Transfer time	UPS mode	15 ms				
	GEN mode	2 s				
Transfer switch (A)		31		90		
Dry contact		X1, programmable				
Battery connector		M6 x 2		M8 x 2		
AC terminal		M4				
Enclosure		Steel with powder paint				
Dimension (mm)(max)		485 x 265 x 145		550 x 285 x 190		
Net weight (KGs)		19.2	21	35	40	46
Cooling		Forced fan				
Protection		IP22		IP20		

Standard

Safety	IEC62109 - 1				
EMC	EN61000-6-1, EN61000-6-3, EN61000-3-11, EN61000-3-12, EN55014-1, EN55014-2, EN55032, EN55024				



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