



ENERGIER PRO



Inverter Charger Combination

800W - 2KW

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

THE POWER OF CHOICE



Model No.	12 VDC	CF0825L	CF1240L	CF1645L	CF2060L
	24 VDC	CF0815M	CF1220M	CF1625M	CF2030M
	48 VDC	/	/	/	CS2015S

Inverter

Nominal Voltage		12 VDC/24 VDC			12 VDC / 24 VDC / 48VDC
Cont. power @25 °C (VA)		800	1200	1600	2000
Cont. power @25 °C (W)		750	1100	1300	1600
Cont. power @40 °C (W)		700	1000	1200	1450
Output voltage		230 VAC / 110 VAC ± 2%			230 VAC ± 2%
Output frequency		50/60 Hz ± 0.1%			
Cos φ		0.9-1			
Overload Capability	>110%	15 mins			1 mins
	>125%	1 min			
	>150%	20s			
Surge		300%			
Efficiency (max)	12 V	89%			
	24 V	92%			
	48 V	95%			
Crest factor		3:1			
THD		< 3%			
Bypass range	UPS mode	184 VAC - 264 VAC / 88 VAC - 127 VAC			184 VAC - 264 VAC
	GEN mode	173 VAC - 276 VAC / 67 VAC - 132 VAC			173 VAC - 276 VAC
	Weak Grid mode	167 VAC - 264VAC / 80 VAC - 127 VAC			167 VAC - 264VAC
Zero load power		10/11 W	11/12 W	11/13 W	14 W
Zero load power (power save mode)		2.5 W	2.5/3 W	2.5/3 W	3.5 W
Overload protection		auto disconnect with 3 times restart attempt			
shortcut protection		auto disconnect			

Charger

Nominal Output Voltage		12 VDC / 24 VDC			12 VDC / 24 VDC / 48 VDC
Max Output current (A) - adjustable		25/15	40/20	50/25	60/30/15
AC Input range		195 VAC - 264 VAC / 93.5 VAC - 126.5 VAC			195 VAC - 264 VAC
Battery types		AGM / GEL (OPzV) LFP / Flooded			
Absorption time		variable			
Temperature compensation		-4 mV / °C / cell			
Slave Charger		3-5 A float charge (12Vdc and 24Vdc model only)			

Other Data

Transfer time	UPS mode	15 ms			
	GEN mode	2 s			
Transfer switch		16 A			31 A
Dry contact		Battery low			
Battery connector		M6 x 2			M8 x 2
AC terminal		M3			M4

Mechanical Data

Enclosure		Steel with powder paint			
Dimension (mm) (max)		440×232.5×95			485×265×145
Net Weight (KGs)		10.5	11.65	11.9	18
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			
Automotive Directive		(E4) ECE R10			