



KINERGIER PRO

INVERTER CHARGER

CK-II

8KW 230VAC

OVERVIEW

- Parallel and three-phase up to 9 units (2~72kW)
- Feeding energy back into grid
- Programmable smart port for generator input or powering loads
- For off-grid, ESS & Self-consumption applications
- AGS, power assist & power control

Kinergier Pro CK-II is a multifunctional inverter charger, with feeding energy back into grid capability, an upgrade from CK. Based on all features of CK, CK-II boasts richer functionalities to meet more applications' need. In addition to off-grid application, CK-II, plus an external current sensor, can optimize the self-consumption without meter. With E4 LCD Monitor, CK-II is ideally suited for complex ESS applications for various countries.

More importantly, Kinergier Pro CK-II is equipped with a smart port which can be programmed as a generator input port to realize two AC inputs for the system, or as an AC output to power normal loads to realize smart load management during power outages.

KEY FEATURES

- For off-grid, ESS applications
- Suitable for AC Coupled PV System, DC Coupled PV System and the combination of both
- Parallel and three-phase operation up to 9 units (72kW)
- With external current sensor to optimize self-consumption
- Realize ESS functionality via E4 LCD Monitor
- Time of Use: support scheduling multiple periods for battery charging and discharging
- Transformer-based, easily withstand the initial surge current from various heavy loads
- One programmable smart port for generator input or powering normal loads
- Feeding energy back into grid
- Compatible with SP600-120 to achieve a higher efficiency DC
- Coupled PV system
- Compatible with mainstream lithium battery brands and majority of generators
- Built-in with two relays for generator automatic start and stop (AGS)
- Power Assist and Power Control to maximize the use of limited AC power and prevent overload on the AC source
- 0~2ms UPS transfer switch to protect mission critical loads
- Local monitoring and control via E4 LCD Monitor
- Remote monitoring and control via NOVA APP or Web

KINERGIER PRO	CK-II 8.0S
Power Assist	Yes
Feedback into Grid	Yes
AC input voltage range(VAC)	175~265
AC input Frequency range(Hz)	45~65
AC input Current (transfer switch) (A)	50
INVERTER	
Nominal battery voltage (V)	48
Input voltage range (V)	42~68
AC output voltage(VAC)	220/230/240 ± 2%
AC output Frequency(Hz)	50/60 ± 0.1%
Harmonic distortion	< 2%
Load Power factor	1.0
Cont. output power at 25°C (VA)	8000
Cont. output power at 25°C (W)	6500
Output power (30min) at 25°C (W)	8000
Peak power (W)	16000
Cont. output power at 40°C (W)	5600
Maximum efficiency	96%
Zero load power (W)	26
CHARGER	
Charge voltage 'absorption' (VDC)	57.6
Charge voltage 'float' (VDC)	55.2
Battery types	AGM / GEL / OPzV / Lead-Carbon / Flooded / Traction / Lithium
Max AC charge current (A)	110
Temperature compensation	Yes
GENERAL DATA	
AC Out1 Current (A)	50
Smart Port Current (A)	32
Transfer time	0ms (< 15ms in Weak AC source Mode)
Remote on-off	Yes
Programmable relay	2x
Protection	a) output short circuit, b) overload, c) battery voltage too high, d) battery voltage too low, e) temperature too high, f) input voltage out of range, g) input voltage ripple too high, h) Fan block
ComSync communication port	For parallel and three phase operation
ComMON communication port	For remote monitoring and system integration
Operating temperature range	-20°C~65°C
Relative humidity in operation	95% without condensation
Altitude (m)	2000
MECHANICAL DATA	
Dimension (mm) (max)	610*320*164
Net Weight (kg)	36
Cooling	Forced fan
Protection index	IP21
STANDARD	
Safety	EN-IEC 62477-1, EN-IEC 62109-1, EN-IEC 62109-2, EN-IEC 62040-1
EMC	EN-IEC 61000-6-1, EN-IEC 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12
Grid Regulation	VDE-AR-N 4105*, NRS 097-2-1:2017*, AS/NZS 4777.2:2020*, NTS 2.1 (A)*, RD 1699*

* Coming soon