

EPS 3000 Series Inverter

EPS-IR-3000

Overview:

The IR-3000 combines advanced switching technology with digital control. The utilization of this technology results in a very high power density and low weight. With a state-of-the-art control solution it provides an excellent functionality and several protection features.



EPS-IR-3000

Features:

- Excellent overall efficiency and high regulation speed;
- “ Hot-Plug-in” Design with backplane connection;
- Fault alarm and protection functions;
- High power density;
- CAN-BUS Interface;
- Temperature-controlled fan cooling;
- Sinusoidal output.

Specifications:

Item		Specifications
		IR3000
Environmental requirements	Working temperature	-40°C ~ +60°C
	Storage temperature	-40°C ~ +75°C
	Humidity RH	≤95% RH
Input data	Nominal input voltage	48Vdc
	Nominal input current	70ADC @48VDC
	Input voltage range	44~ 60VDC; 40~ 44VDC (output power 2300W)
Output data	Output frequency	50±1%Hz (60 Hz optional)
	Synchronization range	58 to 62 Hz/48 to 52 Hz
	Typical efficiency	91%
	Nominal output voltage	230 VAC -5 %, adjustment range: 200 to 242 VAC
Output data	THD	≤2%at linear load
	Overload capability	130 % for 10 sec
	Nominal output power	3000W
Inverter other specifications	Protective function	Input overvoltage, under-voltage; overload, short circuit; over-temperature
	LED signalling	Operation (green), Vo OK (green), Alarm (red)

	Isolation	1.5kVac-input to output 1.5kVac-input to earth 1.5kVac- output to earth
	Cooling-down method	Speed air cooling
	Communications interface	CAN-Bus, proprietary protocol
	Max. installation altitude	4900'
	Dimensions mm (WxDxH)	17.3"x13"x1.75"
	Weight (lbs)	9.25lbs

Specifications are subject to change without notice