



# Noca Clean Energy Power Booster Data Sheet

Noca Clean Energy is a Canadian-Company.

The EFE Power Booster is designed to increase the output of a Photovoltaic (PV) panel by an average of 45%, thus significantly increasing the overall output of a PV system. The EFE Power Booster is compatible with all commercially available PV panels used in small (household), medium (commercial), and large

(solar farm) PV systems. The EFE Power Booster is a retrofit that enables the production of more energy per PV module without

increasing the environmental footprint of the overall system, effectively offsetting the footprint of 45% additional panels.

## Product Highlights

- Increase output of each PV module by 45%
- Accelerate PV system payback
- Offset carbon footprint of additional panels
- Produce more energy with less space
- Maintain maximum performance in any weather condition
- Small, durable, waterproof housing and lightweight design
- Compatible with all solar panels
- Easily retrofit into pre-existing installations

## Technical Specifications: EFE Power Booster

Battery Voltage	12V / 24V / 48V Auto Select
Maximum Battery Current	12A   15A
Maximum PV power, 12V	300W (Booster range 10-75V)
Maximum PV power, 24V	450W (Booster range 15-75V)
Maximum PV power, 48V	600W (Booster range 24-75V)
Maximum PV open circuit voltage	75 V
Power Output efficiency on load	145%
Self-consumption	11 mA
Charge Voltage 'absorption'	15.3V / 22.4V / 30.6V
Charge Voltage 'float'	14.1V / 21.7V / 28.2V
Temperature Compensation	-24 mV/°C , -28mV/°C , -32mV/°C
Continuous/peak load current	15 A/ 45 A/ 60 A
Operating Temperature	-30°C to +75°C (full rated output at 45°C)
Storage Temperature	-35°C to +75°C
Humidity	100%, non-condensing
Colour	White
Power terminals	6 mm <sup>2</sup> / AWG10
Weight	0.45 Kg
Dimensions (H x W x D) [inches]	1.00 x 3.50 x 3.50
Warranty	1-year exchange

