

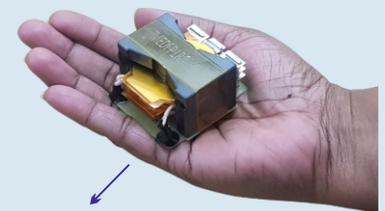
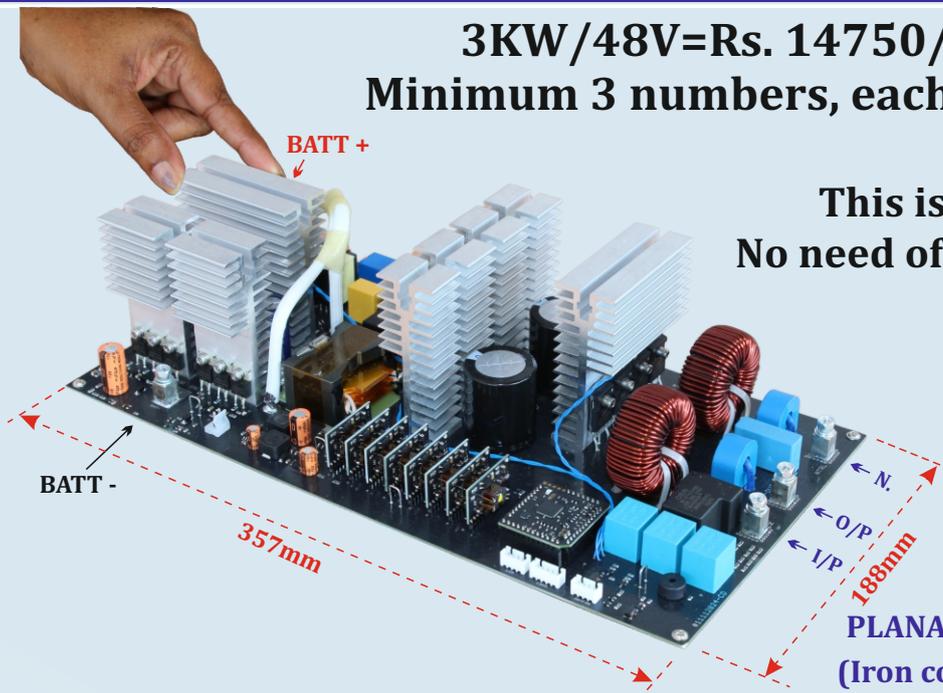
# MEDI'S PLANAR INVERTER

## TRANSFORMERLESS SINEWAVE RESONANCE INVERTER WITH APFC

3KW/48V=Rs. 14750/-

Minimum 3 numbers, each unit with LCD

This is the complete product  
No need of external Transformer  
Only cabinet extra



3KVA  
PLANAR TRANSFORMER only 190gm  
(Iron core 3KVA transformer is 20kg)

- Efficiency >96% SiC based, 92% IGBT based
- 160Khz zero current zero voltage Resonance switching result in no switching losses, high efficiency & small size of magnetics
- Lithium battery charging algorithm
- Charging current upto 40A with Active Power Factor Correction (APFC) and Active Harmonic Filter (AHF)
- When solar charging current above 3A, mains charger standby option
- Synchronous rectified charger and Totem-Pole synchronous rectified APFC
- Charging Power Factor 0.99, Current harmonic <7%
- LCD will show solar charging Ampere, mains charging Ampere, AC OUTPUT/INPUT voltage, Battery V, Battery full/low, Overload, short circuit etc
- Fast change over in <2milli Second
- 100% galvanic isolation between battery and AC input & AC output
- Light weight 3KW PLANAR Inverter full product only 2.4 kg wall mountable and easy to transport (3KW transformer based Inverter 26kg)

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# Medi

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