

## Advantages

- 👍 **48V 80A Enhanced Charger**, 80A mainly for purpose of long backup large capacity battery group, 10000VA Low frequency pure sine wave output, suitable for any resistive, capacitive, inductive load Especially for Air Conditioner and heavy AC load Charge current 20A - 50A - 80A adjustable LCD Display, Battery type alternative
- 👍 **Ultra-fast transfer time**  
**From AC to DC less than 10ms, From DC to AC 10ms** (Routers, Switches PC, Servers, ATM machine and cash machine will never re-start at Mains failure)
- 👍 **Automatic tracking mains or generator input** (Tracking input voltage, phase & frequency)
- 👍 **AC / DC conversion waveform** (Seamless connection without any spike)
- 👍 **Battery equalization system** (for longer battery life)
- 👍 **Protection against short-circuit, low voltage overload, over temperature and over-charge**
- 👍 **Low maintenance cost**  
Circuit board designed independently of each functional area LCD real-time display of the machine working status



Think quality think PROFLEX<sup>®</sup>



- 🕒 **Software & SNMP card optional with adding cost**
- 🕒 **Manual bypass optional with adding cost**



**Pure Sinewave  
LOW FREQUENCY**



Transformer  
**Base**



## Technical Specification

PRNZ SERIES	10000VA
OUTPUT POWER	7 0 0 0 W
PEAK LOAD CAPACITY	21000W For covering peak start of heavy load (like air conditioner)
OUTPUT WAVEFORM	Pure Sine Wave (Utility mode or Battery mode)
BATTERY DC VOLTAGE	<b>48V, (BATTERY TYPE: EXTERNAL BATTERY)</b>
CHARGE CURRENT	<b>20A - 50A - 80A</b>
INPUT AC RANGE	160~265V / 45~55Hz
INVERTER OUTPUT	220V ± 10% / 50Hz ± 1%
TRANSFER (AC LOSS)	5ms after AC loss, automatic recovery after utility power back
OVER VOLTAGE PROTECTION	Utility voltage higher than 265V, Automatically change to Inverter mode
WAVE DISTORTION	THD < 3%
OVER LOAD CAPACITY	100% ~ 125% Keep Beeping; 125%~150% working 30s; >150% 3s shut down
OUTLET	Terminal connectors
LCD SETTING	LANGUAGE SETTING: "CHINESE" OR "ENGLISH" BATTERY TYPE SETTING: "GEL", "AGM", "SLA", "GAL", "OPEN LEAD ACID" CHARGE CURRENT SETTING: "20A" - "50A" - "80A"
LCD DISPLAY	Brand & Model No. CPU Version No. Line mode Input Voltage Line mode Input Frequency Line mode Output Voltage Battery Voltage Charge Current Loading percentage Inverter Inside temperature
RECHARGE TIME	2~3hours (4pcs 12V 200Ah batteries)
POWER EFFICIENCY	75% ~ 85%
NOISE CONDITION	< 45dB
TEMPERATURE	-10℃ ~ 40℃ (Operation environment); -20℃ ~ 50℃ (Stock environment)
HUMIDITY	0~95% no condensation
PACKING SIZE	53cm x 53.5cm x 40cm / (Product dimension: 430 x 425 x 345 mm)
GROSS/NET WEIGHT	54.2kg/49.3kg