



Signal Inverter 1.0KW / 24Vdc (Model RPE1000) - PV Priority/AC Priority



TECHNICAL SPECIFICATIONS:

- Rated Apparent Power 1000 Watt
- Rated Real Power 1000 Kilowatt
- Power Factor 1
- Rated input voltage (AC) 230V (+/-20%)
- Rated output voltage (AC) 230V (+/- 1%)
- Battery Voltage (DC) 24VDC
- Minimum battery quantity 2 units, 24V
- Working Mode PV Solar, AC replenish
- Display LCD + LED

PV INPUT:

- Maximum Voltage 45VDC
- Best working voltage (Vmp) 24VDC
- Suggested Voltage Range (Vmp) 30VDC - 36VDC
- Conversion Efficiency $\geq 98\%$
- Maximum charging current 40A

AC INPUT:

- Input Voltage Range 100/110/120/220/230/240VAC $\pm 25\%$ (customized)
- Input frequency range 45-65Hz (Automatically transfer to inverter power when over frequency)
- Frequency range 50Hz/60Hz (+/- 5Hz)
- Output voltage Precision 100/110/120/220/230/240VAC $\pm 10\%$
- Input PF(AC/DC) $\geq 98\%$
- Charge current 12Amp maximum
- Efficiency (Main mode) $\geq 96\%$
- Overload 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s transfer to bypass model
- Short circuit protection Input fuse

INVERTER MODE:

- Inverter output voltage 100/110/120/220/230/240VAC $\pm 5\%$
- Output frequency 50Hz/60Hz $\pm 1\%$ frequency autosense
- Wave form distortion Linear load $\leq 5\%$
- PV - AC Transfer time 5ms typical value : Max 8 ms
- Maximum Efficiency $\geq 4.5\%$
- Inverter Overload 110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s transfer to bypass model
- No load off(optional) Load $< 5\%$ the system automatically shut down at 1 MIN transfer to bypass power supply
- Short circuit protection system automatically shut down