



Power Converting Units for Solar Lighting

Viva PCU

Solution package for Energy saving bulbs

- Viva PCU (w/ internal battery & solar charger)
- Solar Panel
- Mounting kit for solar panel
- Power cord (to solar panel)
- External battery cable (Option)

System Diagram:



Bonnie PCU

Solution package for LED bulbs

- Bonnie PCU (w/ internal battery & solar charger)
- Solar Panel
- Mounting kit for solar panel
- Power cord (to solar panel)
- External battery cable (Option)

System Diagram:

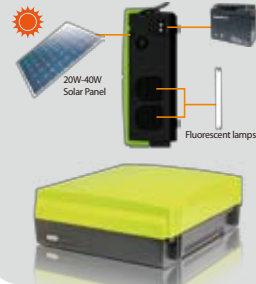


Nano PCU

Solution package for Fluorescent lamps

- Nano PCU (w/ internal battery & solar charger)
- Solar Panel
- Mounting kit for solar panel
- Power cord (to solar panel)
- External battery cable (Option)

System Diagram:



POWER CONVERTING UNITS SELECTION GUIDE

MODEL	Viva		Nano Plus	Bonnie		Nano 400	Nano 600	Nano 800
CAPACITY	30 W		200 W	40 W		400VA/240W	600VA/360W	800VA/ 480W
INPUT								
Voltage	220/230/240 VAC		110/120VAC or 220/230/240VAC	120 VAC		110/120VAC or 220/230/240VAC		
Acceptable Voltage Range	110 - 300 VAC		90 - 145 VAC / 180 - 270 VAC	85 - 270 VAC		90 - 145 VAC / 180 - 270 VAC		
Frequency Range	60/50 Hz (auto sensing)		60/50 Hz (auto sensing)	45 Hz - 65 Hz		60/50 Hz (auto sensing)		
OUTPUT								
Voltage (Batt. Mode)	160 - 230 VDC ± 10%		110/120 VAC or 220/230/240 VAC ± 10%	12 VDC or 24 VDC		110/120 VAC or 220/230/240 VAC ± 10%		
Frequency	N/A		50 Hz or 60 Hz ± 1 Hz	N/A		50 Hz or 60 Hz ± 1 Hz		
Transfer Time	< 20 ms		2 - 6 ms	2 - 6 ms		2-6 ms		
Waveform (Batt. mode)	DC output		Simulated Sine Wave	DC output		Simulated Sine Wave		
BATTERY & CHARGER								
Battery Type & Numbers	12 V / 7Ah x 1	12 V / 9Ah x 1	Depending on the capacity of external batteries	12 V / 7 Ah x 1	12 V / 9 Ah x 1	12 V / 4.5Ah x 1	12 V / 7 Ah x 1	12 V / 9 Ah x 1
Recharge Time	6 hours recover to 90% capacity			4 hours recover to 90% capacity		8 hours recover to 90% capacity		
INDICATORS								
LED Display	Three LEDs indicating inverter status, battery charging, and Polarity Reversal Protection		Two LEDs indicating AC mode, battery mode, low battery, and fault status	Three LEDs indicating AC mode, battery mode, low battery, battery replacement alarm, battery missing, battery self-test, and fault status		Two LEDs indicating AC mode, battery mode, low battery, and fault status		
PHYSICAL								
Dimension, D X W X H (mm) (@ vertically stand)	228 x 82.5 x 207		228 x 82.5 x 207	228 x 82.5 x 207		228 x 82.5 x 207		
Net Weight (kgs)	2.7	3.1	1	2.7	3.1	2.2	2.7	3.1
ENVIRONMENT								
Humidity	0 to 90% Relative Humidity (Non-condensing)							
Operating Temperature	0° C to 40° C							