



- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Battery independent design
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle

MODEL	PHAETON 1200	PHAETON 2500
Rated Power	1200VA/1200W	2500VA/2500W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	2400VA	5000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	32 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	60 ~ 300 VDC	60 ~ 400 VDC
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC
Maxmum Solar Charge Current	80A	
Maximum AC Charge Current	80A	
Maximum Charge Current	80A	
PHYSICAL		
Dimension, D X W X H (mm)	90 x 288 x 357	
Net Weight (kgs)	6.5	7.1
Communication Interface	RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10 °C to 50 °C	
Storage Temperature	-15 °C to 60 °C	

Product specifications are subject to change without further notice