



- Wide PV input range start from 30VDC
- Dual AC outputs for smart load management
- Built-in communication port for BMS
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

MODEL	POLLUX 4200
Rated Power	4200VA/4200W
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%
Output Power	4200W with PV & battery ; 4000W with battery only
Surge Power	8400VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	32 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	30 ~ 450 VDC (Min. 60VDC without battery connected)
Maximum PV Array Open Circuit Voltage	500 VDC
Maxmum PV Input Current	18A
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension, D X W X H (mm)	115 x 300 x 435
Net Weight (kgs)	9
Communication Interface	RS232/RS485(BMS)/WiFi
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10 °C to 50 °C
Storage Temperature	-15 °C to 60 °C