



- 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 \pm 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
Maximum 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

Product specifications are subject to change without further notice