



- Wide PV input range: start from 90VDC.
- Built-in communication port for BMS.
- Built-in feed-in grid function
- 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
- Dual AC outputs for smart load management

MODEL	POLLUX 12000
Rated Power	12000VA/12000W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Output Power	12000W with PV & battery ; 10000W with battery only
Surge Power	24000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Maximum PV Array Power	15000W (7500W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC (Min. 100VDC without battery connected)
Maximum PV Array Open Circuit Voltage	500 VDC
Maxmum PV Input Current	27A x 2
Maxmum Solar Charge Current	200A
Maximum AC Charge Current	180A
Maximum Charge Current	200A
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	141 x 322 x 497
Net Weight (kgs)	16.3
Communication Interface	RS232/RS485(BMS)/WiFi
<b>OPERATING ENVIRONMENT</b>	
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