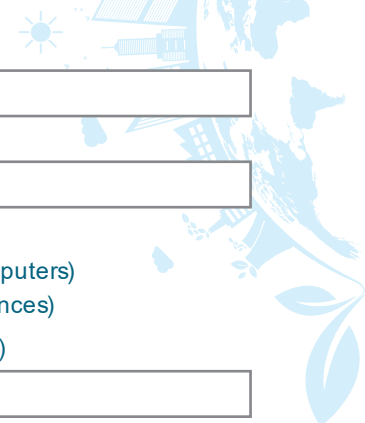




- Wide PV input range: start from 90VDC.
- Built-in communication port for BMS.
- Built-in feed-in grid function
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit
- Dual AC outputs for smart load management



MODEL		POLLUX 12000
Rated Power		12000VA/12000W
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		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
BATTERY		
Battery Voltage		48 VDC
Floating Charge Voltage		54 VDC
Overcharge Protection		63 VDC
SOLAR CHARGER & AC CHARGER		
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
Maximum PV Input Current		27A x 2
Maximum Solar Charge Current		200A
Maximum AC Charge Current		180A
Maximum Charge Current		200A
PHYSICAL		
Dimension, D X W X H (mm)		141 x 322 x 497
Net Weight (kgs)		16.3
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		