



# Gasless Power Generator

PPS-U Series



## Easy Installation

Plug and Play setup.



## MPPT

Advanced MPPT charging with 99.9% efficiency



## Fastest Charging in the industry

0-100% charge in 39 mins



## Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

Gasless Power Generator  
PPS-U-3E-3/PPS-U-5E-5

For More about Unipower range of products, visit:  
[www.unipowerenergy.com](http://www.unipowerenergy.com)

## Technical Parameter

Model No	PPS-U-3E-3	PPS-U-5E-5
<b>AC Input</b>		
Rated Input Voltage	120V	
Input Voltage Range	95-140VAC(UPS) & 65-140VAC(Appliances)	
Frequency Range	50/60Hz(Auto Sensing)	
<b>PV Input</b>		
Solar Charging Type	MPPT	MPPT
PV Max. Input Power	2kW	3.8kW
MPPT Tracking Voltage Range	30-115 VDC	60-115 VDC
Max. PV Input Voltage	145 VDC	145 VDC
PV Charging Current Range	0~60A	
Max. Charging Current	60A	
<b>Output</b>		
Rated Output Power	3kW	5kW
Rated Output Voltage	120VAC+ 5%	
Output Frequency	50/60Hz±0.1%	
Max. Output Current	22.7A	22.7A
Peak Power	4000VA	6000VA
Peak Efficiency	>90% battery mode	>94% battery mode
Transfer Time	10ms (UPS), 20ms (Appliances)	
<b>Battery</b>		
Battery Energy	3kWh	5.12kWh
Battery Capacity	100Ah	100Ah
Cell technology	LiFePO4	LiFePO4
DOD	80%	80%
Battery Rated Voltage	51.2VDC	51.2VDC
Battery Working Voltage Range	44.8~57.6VDC	44.8~57.6VDC
Max. Charging/Discharging Current	100A/100A	100A/100A
Recommened charge current	50A	50A
<b>Product General Data</b>		
Designed Life-span cycle	6000	6000
Communication Interface	RS232, RS485, CAN	RS232, RS485, CAN
Display	LED Screen	LED Screen
Parallel Interface	N/A	N/A
Operation Environment Temperature	0~40C	0~40C
Storage Environment Temperature	-15~60 C	-15~60 C
Environment Humidity	20%~95%	20%~95%
Operation Altitude	<3000m	<3000m
Cooling Mode	Active Cooling	Active Cooling
Noise Emission	<50db	<50db
Demension(W*H*D)(mm)	680 x 460 x 700	680 x 460 x 700
Weight (kg)	68	86
Safety Standard	IEC62109-1; IEC60335-1;IEC60335-2	IEC62109-1; IEC60335-1;IEC60335-2
Certificate	FCC	FCC