

# All in One

Photovoltaic/AC/Energy Storage Charging Integrated Machine



## HUP5.0-24



Lithium Battery  
Built-in 8Kwh battery

DUAL  
Dual AC Out

All in One  
PV/dc + AC + BAT/dc

WiFi  
Monitoring(built-in)



Built-in 160A  
Solar Charger



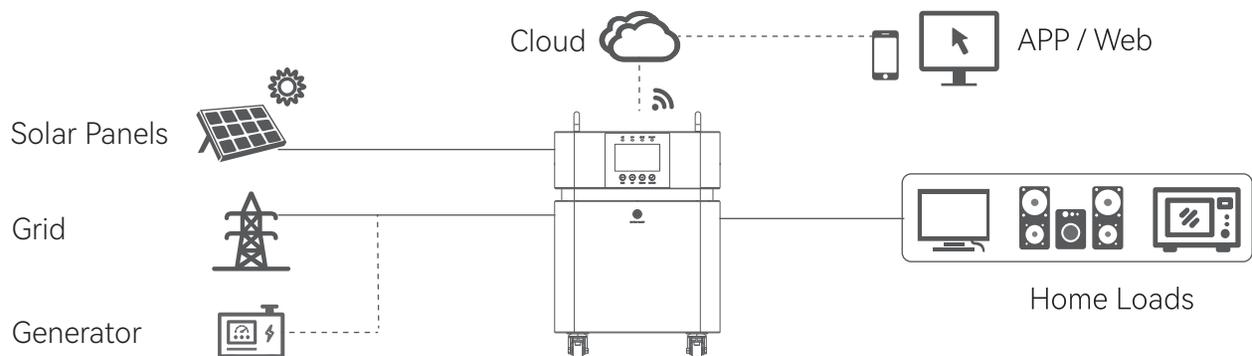
Wide PV Input Voltage  
Range 60-500V



27A  
MAX PV Input

Plug and Play  
AC Input &  
AC Output Socket

## System Diagram



# Specifications

Model	HUP5.0-24
<b>Battery Data</b>	
Nominal Voltage(VDC)	25.6V
Nominal Capacity(AH)	280Ah / 314Ah
Energy(WH)	7168Wh / 8038Wh
Battery type	LiFePO4 Battery
<b>AC Input</b>	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
<b>AC Output</b>	
Rated Capacity (kW)	5
Surge Power (kVA)	8
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-120%load, 10s>120% load
Max. Efficiency (Battery Mode)	93.5%@24VDC
Parallel Quantity	NA
<b>Charger (PV / AC)</b>	
Solar Charger Type	MPPT
Max. PV Input Current / Input Power	27A / 6000W
MPPT Range@Operating Voltage (VDC)	60~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	120
Max. AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
<b>Interface</b>	
HMI	LCD
Interface	AC input socket / AC output socket *2 / PV input (XT90)
Monitoring	WiFi (optional)
<b>General Data</b>	
Ingress Protection	IP20
Operating Temperature	0 °C ~ 45 °C
Relative Humidity	5% ~ 92% (Non-condensing)
Storage Temperature	-10 °C ~ 55 °C
Net Weight (kg)	≈74Kg
Dimensions (H*W*D)	420*375*620mm
Max. Operating Altitude	4000m (Derating above 1000m)