

All In One Home Energy System

GPSO Series



3.5kW/5kW/5.12kWh

10kW/10.24kWh



Flexible Scalability

Supports up to 4 series connections for strong expandability



Smart Operation & Maintenance

Easy installation, WiFi remote monitoring



Safety and Reliability

Built-in BMS, IP54 protection, 3-years warranty



Enhanced Energy Efficiency

Maximum 1C charge/discharge rate, 3.5kW-10kW rated output power



User-Friendly Design

Floor-standing installation, touch buttons, full-view LCD display



Local Service

Supports local sales and after-sales service

	GPSO-03K5L1-050S1	GPSO-05KL1-050S1	GPSO-10KL1-100S2
PV(DC Input)			
Recommended max. PV input power	6000W	8000W	16000W
Max.input voltage(Voc)	500V		
MPPT operating voltage range	85V-450V(@85V start up)		
Number of MPPT	1	2	
Max. number of input strings per MPPT	2		
Max. input current per MPPT	27A	27/27A	
Max. short-circuit current per MPPT	35A	35/35A	
Grid(AC Input)			
Max input power	4500W	10000W	16000W
Max input current	37.5A	45A	78A
Rated grid voltage	110/120/127V(L,N)	220/230/240Vac	
Rated grid frequency	50/60Hz		
Acceptable range	90-140Vac(For UPS); 80-140Vac (For Home Appliances)	170-280Vac(For UPS); 90-280Vac (For Home Appliances)	
Battery parameters (Bidirection)			
Battery type	LiFePO4		
Battery voltage range	40~60Vdc		
Nominal Battery Energy/-pack Quantity	5.12kWh	2*5.12kwh	
Max. charge/discharge current	100A/100A	200A/200A	
Max parallel quantity/energy	4/20.48KWH		
Back-up(AC output)			
Rated output power	3500W/3500VA	5000W/5000VA	10000W/10000VA (Twin output)
Rated output current	29.2A	22.7A	44.5A
Rated output voltage/frequency	110/120/127V (L,N) 50/60Hz	220/230/240Vac 50/60Hz	
Surge power	7000VA 5s	10000VA 5S	20000VA 5s
THDv (@ linear load)	<3%		
Parallel Capacity	Single-phase Max. 12 units Three-phase Max. 12 units	Single-phase Max. 6 units Three-phase Max. 12 units	
Switching time	10ms typical (For UPS) 20ms typical (For Home Appliances)		
Efficiency			
Peak efficiency	98%		
Max. MPPT efficiency	99.90%		
Protection			
Inner protection	√Output short-circuit protection √Output overvoltage protection		
Surge protection	PV: Type III, AC: Type III		
IP rating	IP54		
General Parameters			
Operating temperature range	-10°C~ 55°C		
Relative humidity range	5%~95%		
System dimensions(L*W*H)(mm)	650*480*445.8		
System weight(kg)	74.4	139.1	
Warranty Period	3 Years		