

All In One Home Energy System

GPSO Series





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	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				