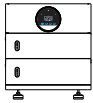


All In One Home Energy System



Flexible Expansion



Multi Input Power Mode
(PV, Grid, Diesel)



WiFi Remote Monitoring



Max 1C Charge and Discharge



IP54 Rating



Easy Installation

GPSO-03KL1-025S1		GPSO-03K5L1-050S1		GPSO-05KL1-050S1		GPSO-10KL1-100S2		
PV (DC Input)								
Recommended max.PV input power	6000W		6000W		8000W		16000W	
Max.input voltage(Voc)	500V		500V		500V		500V	
MPPT operating voltage range	85V-450V(@85V start up)		85V-450V(@85V start up)		85V-450V(@85V start up)		85V-450V(@85V start up)	
Number of MPPT	1		1		1		2	
Max.number of input strings per MPPT	1		2		2		2	
Max.input current per MPPT	15A		27A		27A		27/27A	
Max.short-circuit current per MPPT	18A		35A		35A		35/35A	
Grid (AC Input)								
Max input power	6000W		4500W		10000W		16000W	
Max input current	26A		37.5A		45A		78A	
Rated grid voltage	220/230/240Vac		110/120/127V (L,N)		220/230/240Vac		220/230/240Vac	
Rated grid frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Acceptable range	170-280Vac(For UPS); 90-280Vac (For Home Appliances)		90-140 Vac (For UPS) ; 80-140 Vac (For Home Appliances)		170-280Vac(For UPS); 90-280Vac (For Home Appliances)		170-280Vac(For UPS); 90-280Vac (For Home Appliances)	
Battery Parameters (Bidirection)								
Battery type	LiFePO4		LiFePO4		LiFePO4		LiFePO4	
Battery voltage range	40~60Vdc		40~60Vdc		40~60Vdc		40~60Vdc	
Max.charge/discharge current	50A/50A		100A/100A		100A/100A		200A/200A	
Nominal Battery Energy/pack Quantity	2.56kWh		5. 12kWh		5. 12kWh		2*5.12kwh	
Battery Capacity	50AH		100AH		100AH		100AH	
Max Parallel Quantity/Energy	4 / 10.24KWH		4 / 20.48KWH		4 / 20.48KWH		4 / 20.48KWH	
Back-up (AC Output)								
Rated output power	3000W/3000VA		3500W/3500VA		5000W/5000VA		10000W/10000VA (Twin output)	
Rated output current	13.6A		29.2A		22.7A		44.5A	
Rated output voltage/Frequency	220/230/240Vac 50/60Hz		220/230/240Vac 50/60Hz		220/230/240Vac 50/60Hz		220/230/240Vac 50/60Hz	
Parallel Capacity	Single-phase Max. 12 units Three-phase Max. 12 units		Single-phase Max. 12 units Three-phase Max. 12 units		Single-phase Max. 12 units Three-phase Max. 12 units		Single-phase Max. 6units Three-phase Max. 12 units	
Surge power	6000VA 5s		7000VA 5s		10000VA 5s		20000VA 5s	
THDV(@linear load)	<3%		<3%		<3%		<3%	
Switching time	10ms typical (For UPS)20ms typical(For Home Appliances)							
Efficiency								
Peak efficiency	95%		98%		98%		98%	
Max.MPPT efficiency	99.9%		99.9%		99.9%		99.9%	
Protection								
Inner protection	√Output short-circuit protection √output overvoltage protection							
Surge protection	PV: Type III, AC: Type III							
IP rating	IP54		IP54		IP54		IP54	
General Parameters								
Operating temperature range	-10℃~55℃		-10℃~55℃		-10℃~55℃		-10℃~55℃	
Relative humidity range	5%~95%		5%~95%		5%~95%		5%~95%	
System dimensions(L*W*H)(mm)	525*410*470		650*480*445.8		650*480*445.8		650*480*645.8	
System weight(kg)	49.5		74.4		74.4		139.1	
Replacement warranty Period	3 Years		3 Years		3 Years		3 Years	