

All In One Home Energy System



3KW/2.56kwh

5KW/5.12kwh

10KW/10.24kwh



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-05KL1-050S1		GPSO-10KL1-100S2	
PV (DC Input)					
Recommended max.PV input power	6000W	6000W		12000W	
Max.input voltage(Voc)	500V	500V		500V	
MPPT operating voltage range	85V-450V(@85V start up)	85V-450V(@75V start up)		85V-450V(@75V start up)	
Number of MPPT	1	1		2	
Max.number of input strings per MPPT	1	1		1	
Max.input current per MPPT	15A	27A		27/27A	
Max.short-circuit current per MPPT	18A	35A		35/35A	
Grid (AC Input)					
Max input power	6000w	10000W		16000W	
Max input current	26A	45A		78A	
Rated grid voltage	220/230/240Vac	220/230/240Vac		220/230/240Vac	
Rated grid frequency	50/60Hz	50/60Hz		50/60Hz	
Acceptable range	170-280Vac(For UPS); 90-280Vac (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	
Battery voltage range	40~60Vdc	40~60Vdc		40~60Vdc	
Max.charge/discharge current	50A/50A	100A/100A		200A/200A	
Nominal Battery Energy/pack Quantity	2.56kWh	5. 12kWh		2*5.12kwh	
Battery Capacity	50AH	100AH		100AH	
Max Parallel Quantity/Energy	4 / 10.24KWH	4 / 20.48KWH		4 / 20.48KWH	
Back-up (AC Output)					
Rated output power	3000W/3000VA	5000W/5000VA		10000W/10000VA (Twin output)	
Rated output current	13.6A	22.7A		44.5A	
Rated output voltage/Frequency		220/230/240Vac 50/60Hz			
Parallel Capacity	Max.12Units	Max.12Units		Max.12Units	
Surge power	6000VA 5s	10000VA 5s		20000VA 5s	
THDV(@linear load)	<3%	<3%		<3%	
Switching time	10ms typical (For UPS)20ms typical(For Home Appliances)				
Efficiency					
Peak efficiency	95%	98%		98%	
Max.MPPT efficiency	99.9%	99.9%		99.9%	
Protection					
Inner protection	√ Output short-circuit protection √ output overvoltage protection				
Surge protection	PV.Type I,AC:TypeIII				
IP rating	IP54	IP54		IP54	
General Parameters					
Operating temperature range	-10°C~55°C	-10°C~55°C		-10°C~55°C	
Relative humidity range	5%~95%	5%~95%		5%~95%	
Warranty Period	3 Years	3 Years		3 Years	