



# Apollo All-in-One Hybrid ESS

Apollo-4.6/5KLP1G01-MX



## Product Features



Flexible Storage Capacity



Programmable supply priority for battery or grid



100% output in off-grid mode



All in one design



Smart settable three stages MPPT charging



Real-time Remote Control via APP and website

# Specification

Model	Apollo-4K6LP1G01-M1	Apollo-4K6LP1G01-M2	Apollo-5KLP1G01-M1	Apollo-5KLP1G01-M2
<b>System Specification</b>				
Nominal Output Power	4600VA/4600W		5000VA/5000W	
AC Output Frequency and Voltage	50/60Hz;L/N/PE 220/230Va.c			
Grid Type	Single Phase			
Energy Range (kWh)	5.12	10.24	5.12	10.24
Max. Charging/Discharging Current (A)	100			
Battery Operating Voltage (V)	44.8-57.6			
Battery Type	LiFePO4			
IP Rating of Enclosure	IP21			
System Certification	VDE-AR-N 4105; G99/1; EN50549-1; CEI 0-21; AS 4777.2			
Warranty Period[1]	10 years			
<b>Inverter Technical Specification</b>				
Max. PV Input Power(W)	6000		6500	
Max. PV Input Current(A)	15/15			
Rated PV Input Voltage (Vdc)	90~550			
Start Up DC Voltage (Vdc)	130			
MPPT Voltage Range(Vdc)	100~500			
Max. PV Short-circuit Current (A)	18/18			
No. of MPP Tracker	2/1			
Peak Power (off grid)	2 time of rated power, 0.2s			
Power Factor	0.8leading to 0.8lagging			
DC injection current (mA)	THD<3% (Linear load<2%)			
Display	LCD+LED			
Operating Temperature Range (°C)	-20°C~55°C,>45°C Derating			
Relative Humidity	15% ~ 85% (No Condensing)			
Dimension(Wx Dx H,mm)	600x450x640			
Weight Appr.(kg)	60			
Communication with BMS	CAN/RS485			
Grid Regulation	VDE-AR-N 4105; G99/1; CE;EN50549-1, NRS 097-2-1; CEI 0-21;AS 4777.2			
Safety Regulation	IEC 62109-1/2, IEC 62040-1			
EMC	EN61000-6-1, EN61000-6-3			
Max. efficiency	97.6%			
Euro efficiency	97.0%			
MPPT efficiency	99.9%			
<b>Battery Technical Specification</b>				
Nominal Voltage (V)	51.2			
Battery Module Energy (kWh)	5.12	10.24	5.12	10.24
Scalability	Max.8pcs,Max. capacity of 40.96kWh			
Battery Module Dimension (WxDxHmm)	600*450*180	600*450*360	600*450*180	600*450*360
Battery Base Dimension (WxDxHmm)	590*440*120			
Battery Module Weight Appr.(kg)	46	92	46	92
Charging Temperature Range	0-55°C			
Discharging Temperature Range	-20-55°C			
Cycle Life	≥6,000 Cycles(Test conditions: 0.2C Charging/ Discharging @25°C, 80% DOD.)			
Battery Module Certification	UN38.3.CE			
AC Output Voltage	230Va.c			
AC Output Frequency	50/60Hz			
AC Output Rated Current	20Aa.c		21.7Aa.c	
Max. AC Output Current	40Aa.c			
AC Output Rated Active Power	4600W*		5000W*	
AC Output Rated Apparent Power	4600VA*		5000VA*	
AC Output Power Factor	0.8 Leading To 0.8 Lagging			

[1] Conditions apply, refer to FelicityESS Warranty Letter.