



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	
System Specification								
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 ofEnclosure	IP21							
System Certification	VDE-AR-N 4105; G99/1; EN50549-1; CEI 0-21; AS 4777.2							
Warranty Period[1]	10 years							
Inverter Technical Specification								
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%							
Battery Technical Specification								
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.								