

AIO Series

5H-10H



Ip66 Rating



EPS Function



-20°C ~ 60°C



95% DOD

AIO Series : a next-generation energy storage system solution with a fully-integrated inverter/BMS and battery packs, boasting a range of advanced features.



FULLY INTEGRATED STORAGE SYSTEM

Seamlessly integrated, truly all-in-one solution. Hybrid inverter + BMS + battery packs.



LESS IS MORE | PEAK PERFORMANCE

Better & top efficiency when charging & discharging heavy loads.



HV SYSTEMS - HIGHER EFFICIENCY

Less energy lost during conversational charge & discharge.



THINNER CABLES

High voltage means lower current for the same power output.

+91 83 3388 3388

info@solaryaan.com

www.solaryaan.com

[in](#) [f](#) [@solaryaan](#)

Solaryaan : A 1002, Times Square 2, Sindhu Bhavan Road, Thaltej, Ahmedabad, Gujarat 380054

*Feature to be upgraded in the future. (T&C Apply)

Technical Specifications



Model	AIO-5H		AIO-6H		AIO-7H		AIO-8H		AIO-10H	
PV INPUT (ONLY FOR HYBRID)										
Max. MPPT Input Power [W]	5000/5000		6000/6000		7000/7000		8000/8000		10000/10000	
Max. Input Voltage [V]					600					
Start-up Input Voltage [V]					75					
Rated input Voltage [V]					360					
MPPT Operating Voltage Range [V]					80 ~ 550					
Max. Input Current [A]	20/20		20/20		20/20/20		20/20/20		20/20/20	
Max. Short-circuit Current [A]	25/25		25/25		25/25/25		25/25/25		25/25/25	
No. of MPP Trackers	2		2		3		3		3	
Strings per MPP Tracker					1					
BATTERY CONNECTION										
Battery Type					LFP (LiFePO ₄)					
Battery Energy [kWh]					10.24					
Depth of Discharge [%]					95					
Cycle Life					6000					
AC INPUT AND OUTPUT (GRID)										
Rated Power [W]	5000		6000		7000		8000		10000	
Rated Apparent Power [VA]	5000		6000		7000		8000		10000	
Max. Apparent Power [VA]	5500		6600		7700		8800		11000	
Rated Output Current (Per Phase) [A]	22.7		27.3		31.8		36.4		45.5	
Max. AC Current (Per Phase) [A]	25.0		30.0		35.0		40.0		50.0	
THDI [%]					<3 @rated power					
Max. Apparent Power [VA]	6000		7200		8400		9600		12000	
Max. Input Current [A] (Per Phase)	27.3		32.7		38.2		43.6		54.5	
Nominal Voltage [V]					220/230/240, L/N/PE					
Nominal Frequency [Hz]					50/60, ±5					
Power Factor					1(Adjustable from 0.8 leading to 0.8 lagging)					
nrush Current [A]					15 @0.5ms					
EPS OUTPUT										
Max. Apparent Power [VA]	5000		6000		7000		8000		10000	
Peak Apparent Power [VA]	6000@60s		7200@60s		8400@60s		9600@60s		12000@60s	
	7500@30s		9000@30s		10500@30s		12000@30s		15000@30s	
	10000@10s		12000@10s		14000@10s		16000@10s		20000@10s	
Nominal Voltage [V]					220/230/240					
Nominal Frequency [Hz]					50/60					
Max. Output Current (Per Phase) [A]	22.7@220V		27.3@220V		31.8@220V		36.4@220V		45.5@220V	
Power Factor					1 (Adjustable)					
Switch Time [ms]					<4					
THDV [%]					<3@Linear Load					
Parallel Operation					Yes @max 3PCS					
EFFICIENCY										
Max. Conversion Efficiency [%]					97.60					
European Efficiency [%]					97.20					
Max. Battery Charge Efficiency (PV To BAT) @full Load [%]					97.30					
Max. Battery Charge/discharge Efficiency (BAT To AC) @full Load [%]					96.40					
PROTECTION										
Insulation Monitoring					YES					
Residual Current Monitoring					YES					
DC Reverse Polarity Protection					YES					
Anti-islanding Protection					YES					
AC Short-circuit Protection					YES					
AC Overcurrent/Overvoltage Protection					YES					
DC Switch					YES					
Overvoltage Category					DC: Type II /AC: Type II					
AFCI Protection					YES					
GENERAL DATA										
Dimensions (W*H*D) [mm]					584*1009*197					
Weight [kg]					113					
Installation					Floor-mounted/Wall-mounted					
Cooling Method					Intelligent air cooling					
Noise Emission [dB]					<45, Average					
Max. Operating Altitude [m]					<4000@Dera ng exceeding 2000m					
Operating Temperature Range [°C]					-20 ~ 55					
Humidity (No Condensation) [%]					0 ~ 100					
Ingress Protection					IP66					
Standby Consumption [W]					<20					
Monitoring Module					WiFi, LAN, 4G					
Communication Interface					Ethernet, EMS(RS 485), Meter, WiLAN(WiFi+LAN+Bluetooth), 4G(Op onal), DRM, Ripple Control, USB, BMS(CAN), SG Ready					
Display					LED, LCD, APP, Website					
Supports Dual EPS Expansion					YES					
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)										
Safety					EN/IEC 62109-1, EN/IEC 62109-2, EN/IEC62477-1,EN/IEC 62040(AU)					
BIS					IS 16221 (PART 2):2015/IEC 62109-2:2011 & IS 16169:2019/IEC 62116:2014 and IS 17980:2022/ IEC 62891:2020					
Grid Regulation					G99, CEI 0-21, AS/NZS 4777.2:2020, NRS 097-2-1, IEC 61727, EN 50549-1, P140/P515					
Battery Regulation					IEC62619:2022					
Transportation					UN 38.3					
Environment					ROHS, REACH, WEEE					
Warranty					10 Years or 6000 lifecycle w/e is earlier @ 25 dearee					

WARRANTY * AS PER WARRANTY POLICY
*FEATURE TO BE UPGRADED IN THE FUTURE. (T&C APPLY)