

# iKran series **A** +HV

- 3.6H/5.12kWh
- 3.6H/10.24kWh
- 4.6H/5.12kWh
- 4.6H/10.24kWh\*
- 5.0H/5.12kWh
- 5.0H/10.24kWh
- 6.0H/5.12kWh
- 6.0H/10.24kWh



This picture is just for reference.

Active detection  
to prevent failures  
and danger

Low noise  
<25db

Switching time  
<10ms

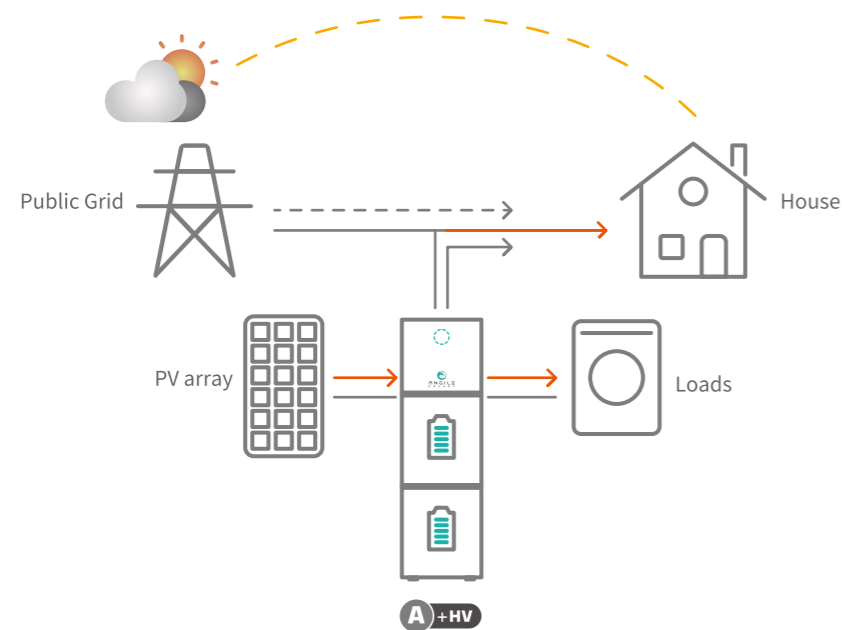
Slim Design  
Hang on the wall  
or stand alone

IP65  
waterproof and  
dustproof

High  
voltage

Long warranty  
>30MWh

Remote  
control



## iKran AIO **A** +HV Specifications

MODEL	A+HV-3.6H/5.12kWh A+HV-3.6H/10.24kWh	A+HV-4.6H/5.12kWh A+HV-4.6H/10.24kWh*	A+HV-5.0H/5.12kWh A+HV-5.0H/10.24kWh	A+HV-6.0H/5.12kWh A+HV-6.0H/10.24kWh
<b>PCS UNIT</b>				
<b>PV INPUT(DC)</b>				
Max.PV array power(Wp)	4800	6200	6650	8000
Max.DC voltage(V)			600	
Nominal DC operating Voltage(V)			360	
Max.input current(input A/input B)			12.5/12.5	
Max.short circuit current(input A/input B)			18/18	
MPPT voltage range(V)			100~550	
Start operating voltage(V)			90	
No. of MPP trackers/Strings per MPPT tracker			2/1	
<b>INPUT(AC)</b>				
Max.apparent AC power(VA)	7200	9200	10000	12000
Max.AC current(A)	31.2	40	43.4	52.2
Nominal grid voltage(AC voltage range)(V)			220/230/240	
Nominal grid frequency/range(Hz)			50/60	
<b>OUTPUT AC</b>				
Nominal AC power(VA)	3600	4600	5000	6000
Max.apparent AC power(VA)	3600	4600	5000	6000
Nominal grid voltage(AC voltage range)(V)			220/230/240	
Nominal grid frequency/range(Hz)			50/60	
Max.AC current(A)	17.2	22	23.9	28.7
Displacement power factor			1(-0.8~+0.8 adjustable)	
THDI, rated power(%)			< 3	
<b>OUTPUT DC(BATTERY)</b>				
Battery type			Lithium Iron Phosphate	
Battery voltage range(V)		160~227.2		320~454.4
Recommended battery voltage(V)		227.2		454.4
Max.continuous charge/discharge current(A)			25/25	
Communication interfaces			RS485/CAN	
Reverse connect protection			Yes	
<b>EPS OUTPUT(WITH BATTERY)</b>				
EPS Max.continuous apparent power(VA)	4320	5520	6000	7200
EPS rated voltage(V),Frequency(Hz)			230 (2%),50/60 (0.2%)	
EPS Max.continuous current(A)			28.7	
Switching time(ms)			< 10	
THDv,linear load(%)			< 2	
<b>EFFICIENCY</b>				
MPPT efficiency(%)			99.9	
Euro efficiency(%)			97	
Max. efficiency(%)			97.6	
Battery charge/discharge efficiency(%)			98/96.7	
<b>POWER CONSUMPTION</b>				
Standby consumption(Night)(W)			< 5	
<b>STANDARD</b>				
Safety			IEC62040.1:2019 AS/NZS 4777.2:2020 IEC 62109-1&-2 IEC62619 UN38.3 IEC60730-1	
EMC			EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021	
<b>ENVIRONMENT LIMIT</b>				
Ingress protection(according to IEC60529)			IP65	
Operating temperature range(°C)			-10~55 (>45°C, Derating)	
Max.operation altitude(m)			2000	
Humidity(%)			0~95 (no condensation)	
Storage temperature(°C)			-20~60	
Noise emission(dB)			< 25	
<b>BATTERY UNIT</b>				
Nominal Voltage(V)			204.8	
Operating voltage range(V)			160~227.2	
Total Capacity(kWh)			5.12	
Usable Capacity(kWh)			4.6	
Rated capacity(Ah)			25	
Standard power(kW)			1.69	
Max charge/discharge power(kW)			5.68	
Recommend charge/discharge current(A)			8.25	
Max.charge/discharge current(A)			25	
DOD(%)			90	
Expected life time/Warranty(Year)			10	
Operating temperature range(°C)			-10~55	
Storage temperature(°C)			-20~60	
Humidity(%)			0~95 (no condensation)	
Altitude(m)			2000	
Ingress protection			IP65	
System to inverter communication/Communication with BMS			RS485	
System switch(on/off)			DC-PV2	
Safety certificate			IEC62040.1:2019 AS/NZS 4777.2:2020 IEC 62109-1&-2 IEC62619 UN38.3 IEC60730-1	
EMC			EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021	
UN number			3480	
Dimensions(W*D*H)(mm)		550*555*233		
Weight(kg)		47		
<b>GENERAL DATA</b>				
Dimensions(W*D*H)(mm)		550*233*1125(5.12kWh AIO)		550*233*1750(10.24kWh AIO)
Weight(kg)		68		115
Cooling			Natural	
Standard warranty(Years)			10	
*Only for Germany market				