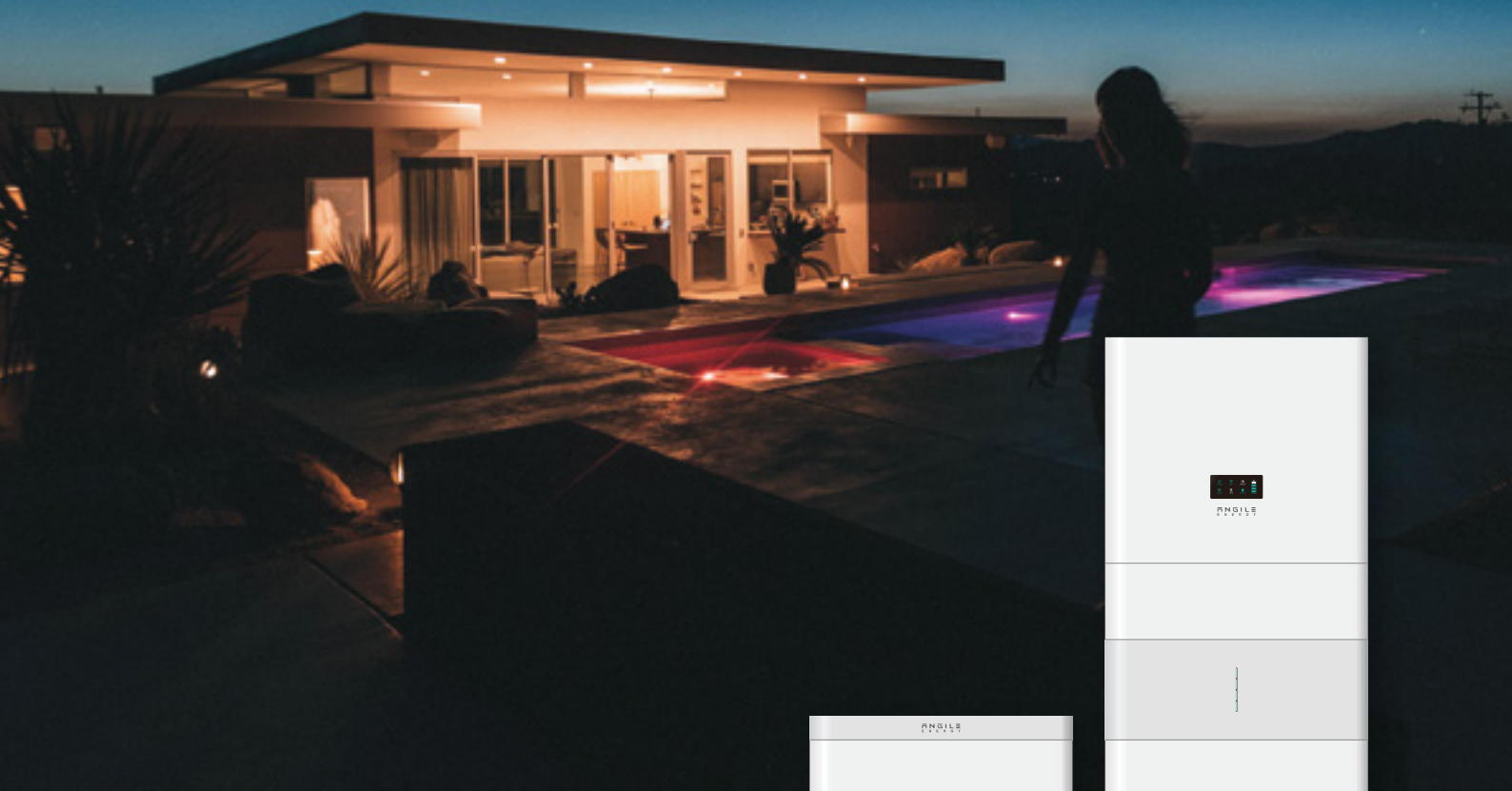


ePowercube

ANGILE
ENERGY



High Voltage
3-Phase BESS



sales@ae-epower.com
www.ae-epower.com
+86 532 8097 7189

Clean And Smart, Enlight The World



PARAMETER	AE6K-H-T	AE8K-H-T	AE10K-H-T
PV PARAMETERS			
Max. PV array power (Wp)	9000	12000	15000
Max. Voltage (V)	1000	1000	1000
MPPT Voltage range (V)	180~900	180~900	180~900
Rated voltage (V)	600	600	600
Initial feed in voltage (V)	120	120	120
Max. Current (A)	13/ 13	13/ 13	13/ 13
Full load MPPT voltage range (V)	310Vdc~850Vdc	380Vdc~850Vdc	470Vdc~850Vdc
Max. Short circuit current (A)	18 / 18	18 / 18	18 / 18
No. of MPPT	2	2	2
Strings per MPPT	1/1	1/1	1/1
BATTERY PARAMETERS			
Battery type	LFP (Lithium-ion)		
Battery voltage range (V)	120~875		
Rated charge/discharge current (A)	30/30		
Rated charge/discharge power (W)	6000	8000	10000
AC OUTPUT [GRID SIDE]			
Rated AC power (W)	6000	8000	10000
Max. AC power (VA)	6600	8800	11000
Rated AC current (A) @230Vac	8.7	11.6	15
Max. AC current (A)	10	13.5	15.9
Rated output voltage (V)	220/380V, 230/400V, 3L/N/PE		
Rated frequency/range (Hz)	50/60 ±5		
Power factor	0.8 lead ~ 0.8 lag		
THDi (%)	<3%		
AC OUTPUT [OFF GRID SIDE]			
Rated output power (W)	6000	8000	10000
Max. AC current (A)	10	13.5	15.9
Rated output voltage (V)	220/380V, 230/400V, 3L/N/PE		
Rated frequency/range (Hz)	50/60 ±5		
THDv (%)	<3%		
Peak output apparent power (VA)	6600 (60 s)	8800 (60 s)	16500 (60 s)
EFFICIENCY			
Max. Efficiency (%)	97.90%	97.90%	98.00%
European efficiency (%)	97.20%	97.20%	97.60%
MPPT efficiency (%)	99.50%	99.50%	99.50%
Max. Battery charge/discharge efficiency (%)	96.60%	96.60%	97.60%
GENERAL PARAMETERS			
Communication method	Wi-Fi (USB connector + WiFi stick)		
Operating temperature (°C)	-40~60		
Cooling	Natural cooling		
IP rating	IP65		
Installation methods	Wall mounting		
Dimension (W×H×D) (mm)	550×640×210		
Net weight (kg)	30		
Warranty (years)	5		
Safety certification standards	IEC62109-1, IEC62109-2		
EMC certification standards	IEC61000-6-1, IEC61000-6-2, IEC61000-6-3, IEC61000-6-4		
Certificate	TUV		
Grid-connection standards	VDE-AR-N 4105		



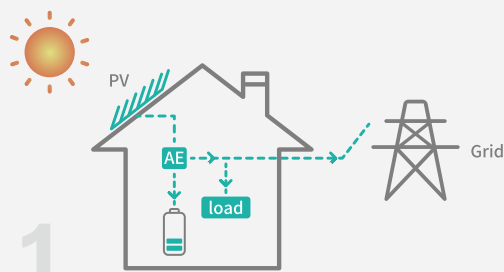
PARAMETER	AES4.9-H
BATTERY PACK	
Operating Voltage Range	136V~868V
Energy Capacity (Single Pack)	4.9kWh
Max. Capacity (5 Packs)	24.6kWh
Battery Material	LFP (48S1P)
Charging Capacity Max. Sustained/Transient	32A/32A (25°C)
Discharge Capacity Max. Sustained/Transient	32A/32A (25°C)
Charge / Discharge Efficiency	> 95%
Cycle Life (Cycle Conditions)	> 6000* Cycles
Battery SOC Operating range	0%-100%
Charging Temperature	0°C~53°C
Discharging Temperature	-18°C~54°C
Communication	CAN, RS485
GENERAL DATA	
IP Rating	IP65
Cooling Method	Natural Cooling
Battery Dimension (W×H×D)	550×550×222 mm
Battery Weight	65 kg
BCU Dimension (W×H×D)	550×260×222 mm
BCU Weight	10 kg
Warranty	10 Years
Certificate	TUV, CE, UN3480
Testing Standards	IEC/EN62477-1, EN61000-6, IEC62619 IEC60730-H, IEC63056

* At 25°C, under specific test conditions



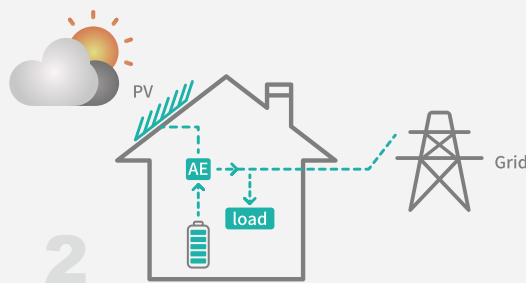
OVERALL DIMENSIONS	5 KWH	10 KWH
BESS Dimension (W×H×D)	550×1500×222 mm	550×2050×222 mm
BESS Weight	112 kg	177 kg

ePowercube Working Modes



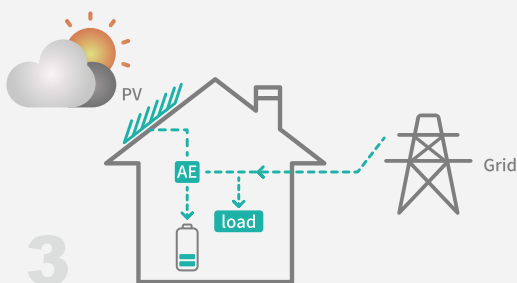
1 SUNNY DAY, LOW BATTERY

PV will charge the batteries, excessive energy would be fed into the grid



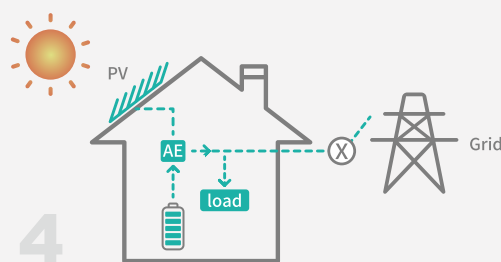
2 CLOUDY, HIGH BATTERY

During cloudy days, iKran ePowercube will provide power backup



3 CLOUDY, LOW BATTERY

Grid will power the house, while iKran ePowercube will recharge the backup



4 GRID FAILURE / OUTAGE

During power outage, iKran ePowercube will instantly provide power within 10ms

ePowercube Features



Max 200%
PV input



Easy installation
Plug and Play



110% 3-Phase
uninterrupted output



Off-grid 1.5 times
overload operation



Multiple charging
discharging times
setting



IP65
Grade



Load monitoring
accuracy 10W.



Intelligent insulation
detection function



120-800V ultra-wide
battery voltage range



Anti-back flow
function



Remote
control



10 Years
warranty