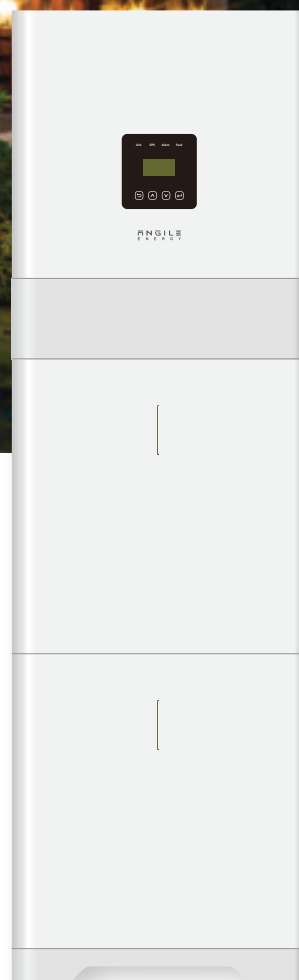
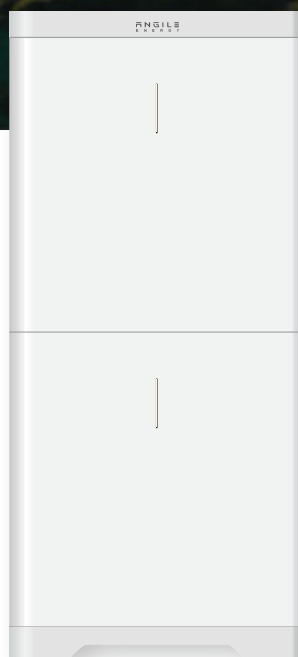


ePowercube

ANGILE
ENERGY



Low Voltage
Single Phase BESS



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Clean And Smart, Enlight The World

PARAMETER	AE4K6-L-S	AE5K-L-S	AE6K-L-S
INPUT (PV)			
Max.PV Input Power	6kW	7kW	7kW
Max. PV Input Voltage		550V	
Start Voltage		125V	
MPPT Voltage Range		125V~500V	
Nominal DC operating voltage		360V	
Max.PV Input Current		14A / 14A	
Number of MPP Trackers / String per MPPT		2/1	
OUTPUT (AC)			
Max. Output Current	20A	21.7A	26A
Rated Power	4.6kVA	5kVA	6kVA
Rated Voltage		230V, L+N+PE	
Operating Voltage Range		176V~270V	
Frequency		50Hz/60Hz	
Power Factor		0.99ind...0.99cap	
THDi		<2%	
OUTPUT (EPS)			
Rated Power	4.6kVA	5kVA	6kVA
Rated Voltage		230Vac	
Rated Current	20A	21.7A	26A
Rated Frequency		50Hz/60Hz	
Automatic Switch Time		<20ms	
Overload Capability		110%,60s /120%,30s /150%, 10s	
THDU		<2%	
EFFICIENCY			
Max Efficiency		97.6%	
European Efficiency		97%	
MPPT Efficiency		99.9%	
Battery Charge / Discharge Efficiency		95% / 95%	
COMMUNICATION			
Display		LCD	
Communication		Standard: RS485/ CAN/DRM	
		Optional: WIFI/LAN	
GENERAL DATA			
Certificates		TUV, VDE, SAA	
Dimensions (W×H×D)		550×650×200 mm	
Weight		30kg	
Operation Temperature		-25℃~ 60℃	
Cooling Method		Natural Cooling	
Protection Degree		IP65	
Noise Emission		<40dB	
Max. Operating Altitude		<2000m	
Relative Humidity		4~100% (non-condensing)	
Topology		Transformerless	
Standby Power Consumption		<3W	



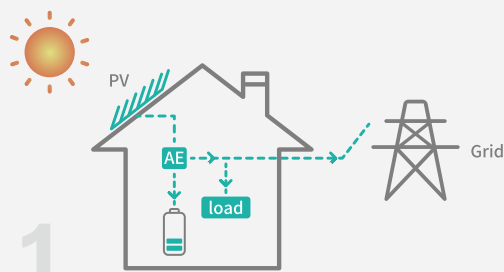
PARAMETER	AES5.3-L / AES5.3-L1
BATTERY PACK	
Nominal Voltage (V)	51.2
Operating voltage range (V)	40~58
Energy Capacity (kWh)	5.3
Usable Capacity (kWh)	5.1
Rated capacity (Ah)	104
Standard power (kW)	2.5
Max. charge/discharge power (kW)	5.0/5.0
Recommend charge/discharge current (A)	50/50
Max. charge/discharge current (A)	100/100
Cycle life (80% DoD)	>6000* cycles
Expected life time/Warranty (Year)	10
Operating temperature range (°C)	-28~55
Storage temperature (°C)	0~35
Humidity (%)	0~95 (no condensation)
Altitude (m)	2000
Ingress protection	IP65
Communication	RS485/CAN
Main LED indicator	LED
System switch (on/off)	BMS button
Safety certificate	IEC/EN 62619, IEC 63056
EMC	IEC61000-6-1, 1EC61000-6-3
UN number	UN3480
GENERAL DATA	
Dimensions (W×H×D) (mm)	550x550x195
Weight (kg)	54
Cooling	Natural
Standard warranty (Year)	10

* At 25°C, under specific test conditions



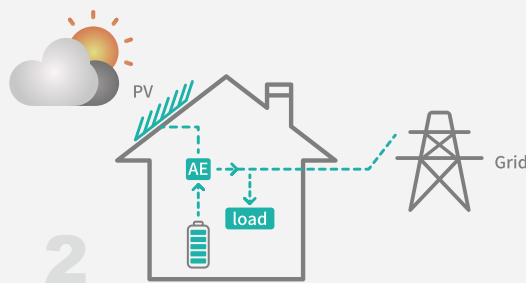
OVERALL DIMENSIONS	5 KWH	10 KWH
BESS Dimension (W×H×D)	550×1250×198 mm	550×1800×198 mm
BESS Weight	96 kg	155 kg

ePowercube Working Modes



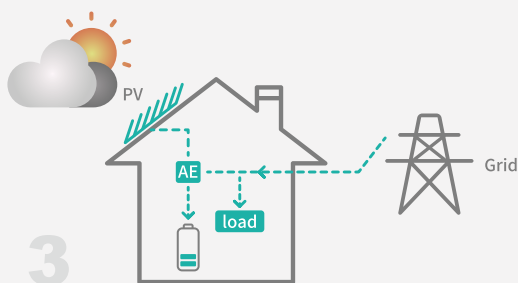
1 SUNNY DAY, LOW BATTERY

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



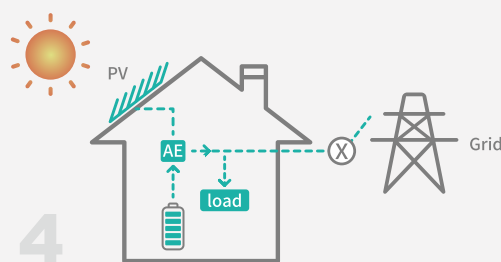
2 CLOUDY, HIGH BATTERY

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



Factory reset
function



Off-grid 1.5 times
overload operation



Low temperature
heating function



IP65
Grade



Load monitoring
accuracy 10W.



Automatic parallel
function, no dip



AFCI function,
extra safety



Anti-back flow
function



Remote
control



10 Years
warranty