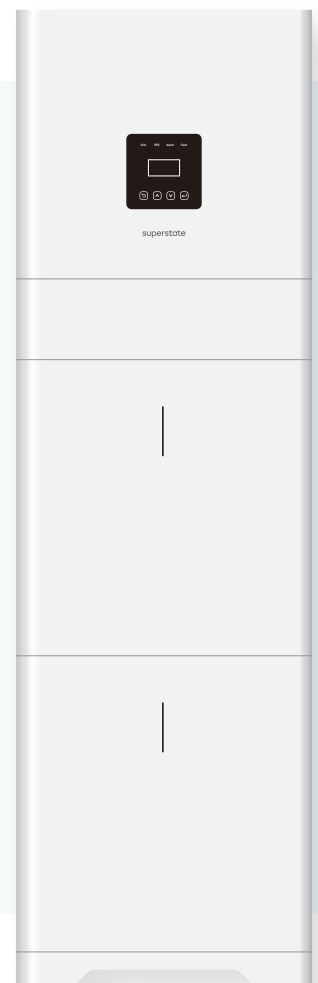
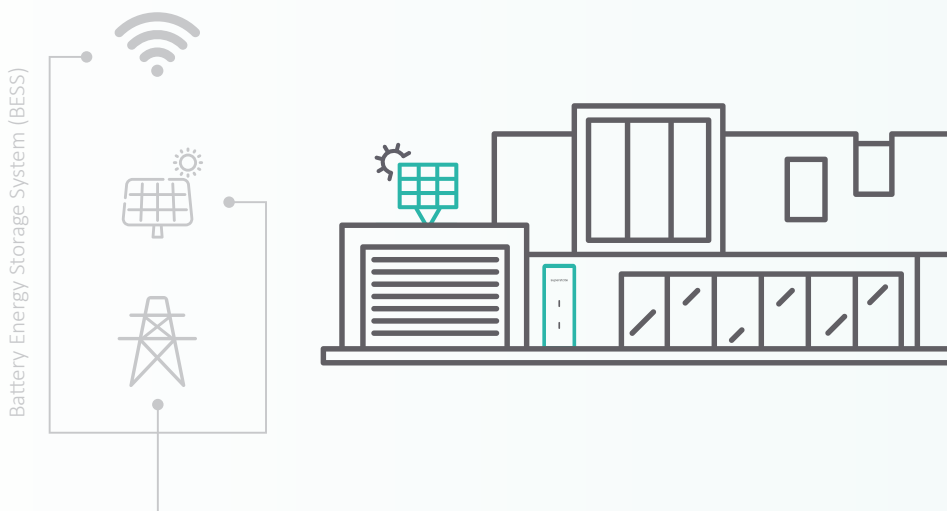


iKran series ePowercube

Residential BESS

Low Voltage



superstate

Superstate AB
Nybohovsbacken 97, 117 64
Stockholm Sweden



Inverter Specifications

	AE3K-L-S	AE3K6-L-S	AE4K-L-S	AE4K6-L-S	AE5K-L-S	AE6K-L-S
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Input (PV)

Max. PV Input Power	4.6kW		6kW		7kW	
Max. PV Input Voltage	550V					
Start Voltage	120V					
MPPT Voltage Range	125V ~ 550V					
Rated MPPT Voltage	360V					
Max. PV Input Current	14A					
Number of MPP Trackers / String per MPPT	2 / 1					

Output (AC)

Max. Output Current	13A	16A	17.4A	20A	21.7A	26A
Rated Power	3kVA	3.6kVA	4kVA	4.6kVA	5kVA	6kVA
Rated Voltage	230V, L + N + PE					
Operating Voltage Range	180V ~ 280V					
Frequency	50Hz / 60Hz					
Power Factor	1 (0.99 lagging~0.99 leading)					
THDi	<3%					

Output (EPS)

Rated Power	3kVA	3.6kVA	4kVA	4.6kVA	5kVA	6kVA
Rated Voltage	230Vac					
Rated Current	13A	16A	17.4A	20A	21.7A	26A
Rated Frequency	50Hz / 60Hz					
Automatic Switch Time	<20ms					
Overload Capability	110%, 60s / 120%, 30s / 150%, 10s					
THDU	<2%					

Efficiency

Max. DC Efficiency	97.60%					
European Efficiency	97%					
MPPT Efficiency	99.90%					
Battery Charge / Discharge Efficiency	95.5% / 95%					

Communication

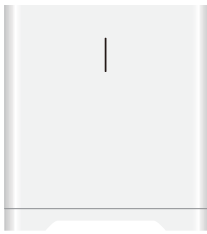
Display	LCD					
Communication	standard: RS485 / CAN / DRM optional: WIFI / LAN					

Standard Compliance

Certificates	CE, TÜV, SAA, IEC62116:2014, IEC61683:1999					
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General Data

Dimensions (W x H x D)	550 x 500 x 200 mm					
Weight	26kg					
Operation Temperature	-25°C ~ 60°C					
Cooling Method	Natural Cooling					
Protection Degree	IP65					
Noise Emission	<35dB					
Max. Operating Altitude	5000m (derating above 2000m)					
Relative Humidity	0 ~ 95% (non-condensing)					
Topology	Transformerless					
Standby Power Consumption	< 3W					



Battery Specifications

BATTERY UNIT	AE-BS48/5-1-W
Nominal Voltage(V)	51.2
Operating voltage range(V)	45~58
Total Capacity(Kwh)	5.38
Usable Capacity(kwh)	5.12
Rated capacity(Ah)	105
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(90% DOD)	>6000cycles
Expected life time/Warranty(Year)	10
Operating temperature range(°C)	-10 ~50
Storage temperature(°C)	-20~60
Humidity(%)	0~95 (no condensation)
Altitude(m)	2000
Ingress protection	IP65
System to inverter communication/Communication with BMS	RS485/CAN
Master LED indicator	LED
System switch(on/off)	BMS button
Safety certificate	IEC/EN 62619,IEC 63056,IEC 62477-1,IEC62040-1
EMC	IEC61000-6-1,IEC61000-6-3,
UN number	3480
Dimensions(L*W*H) mm	550*550*220
Weight(kg)	58
GENERAL DATA	
Weight(kg)	58
Cooling	Natural
Standard warranty(Years)	10

ePowercube Features

Active detection to prevent failures and danger



Low noise <25db



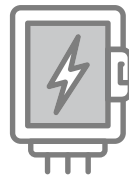
IP65 waterproof and dustproof



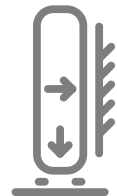
Switching time <10ms



Low voltage



Slim Design Hang on the wall or stand alone



Long warranty 10 Years



Remote control



Certified BESS

