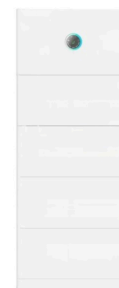


HOME ENERGY STORAGE

MODA All-In-One ESS

High-voltage battery · 5 kWh · 7 models


5 kWh

ENERGY CAPACITY

600 V

NOMINAL VOLTAGE

10000 cycles

CYCLE LIFE

4 – 15 kW

RATED POWER

Parameter	Unit	MODA 4kTL3-HU	MODA 5kTL3-HU	MODA 6kTL3-HU	MODA 8kTL3-HU	MODA 10kTL3-HU	MODA 12kTL3-HU	MODA 15kTL3-HU
PV input								
Max. PV input power	W	8000	10000	12000	16000	20000	24000	30000
Max. PV input voltage	V	1000						
Rated PV input voltage	V	600						
MPPT voltage range	V	140 – 1000						
Start-up voltage	V	160						
Max. input current per MPPT	A	20						
Max. short-circuit current per MPPT	A	25						
Number of MPPT trackers		3						
PV strings per MPPT		1						
AC output								
Rated output power	W	4000	5000	6000	8000	10000	12000	15000
Rated AC apparent power (grid port)	VA	4000	5000	6000	8000	10000	12000	15000
Rated AC voltage	V	230						
Rated AC frequency	Hz	50/60						
Max. AC output current	A	6.7	8.3	10	13.3	16.7	20	25
Power factor		0.8 leading to 0.8 lagging						
Total harmonic distortion (THDi)	%	<3						
Phase		Three-phase						
Backup port rated output apparent power	VA	4000	5000	6000	8000	10000	12000	15000
Peak (surge) power	W	6000	7500	9000	12000	15000	18000	22500
Backup port max. output current, off-grid	A	7.3	9.1	10.9	14.5	18.2	21.8	27.3

Parameter	Unit	MODA 4kTL3-HU	MODA 5kTL3-HU	MODA 6kTL3-HU	MODA 8kTL3-HU	MODA 10kTL3-HU	MODA 12kTL3-HU	MODA 15kTL3-HU
Backup port max. output current, on-grid	A	63						
Backup switch time	ms	20						
Battery								
Nominal energy capacity	Wh	5000 – 30000						
Nominal voltage	V	600 – 980						
Max. charge power	W	12000	15000					
Max. discharge power	W	4000	5000	6000	8000	10000	12000	15000
Depth of discharge (DoD)	%	100						
Cycle life	cycles	10000						
Battery module		APX 5.0P-B3						
Battery module dimensions (W x H x D)	mm	590 × 265 × 255						
Battery module weight	kg	45						
DC charger max. charging / discharging power	W	25000						
Efficiency								
Max. efficiency	%	98.6						
European efficiency	%	97.5						
Protection								
Protection functions		DC reverse polarity protection; DC & AC SPD; Insulation protection; AFCI protection; Over current protection; Over voltage protection; Over temperature protection; GFCI protection; Anti-islanding protection						
General data								
Weight	kg	74.3 – 299.3						
Ingress protection (IP rating)		IP66						
Installation		Floor or wall mount						
Operating temperature range	°C	–20 – 50						
Relative humidity	%	0 – 100						
Max. operating altitude	m	4000						
Cooling		Natural cooling						
Night-time power consumption	W	<40						
Warranty	years	10						

Parameter	Unit	MODA 4kTL3-HU	MODA 5kTL3-HU	MODA 6kTL3-HU	MODA 8kTL3-HU	MODA 10kTL3-HU	MODA 12kTL3-HU	MODA 15kTL3-HU
System								
System models (1 to 6 battery modules)		MODA 4-15kTL3-HU-1; MODA 4-15kTL3-HU-2; MODA 4-15kTL3-HU-3; MODA 4-15kTL3-HU-4; MODA 4-15kTL3-HU-5; MODA 4-15kTL3-HU-6						
Number of inverter modules		1						
Number of battery modules		1 – 6						
Energy capacity by number of battery modules (1 to 6)	kWh	5; 10; 15; 20; 25; 30						
System weight by number of battery modules (1 to 6, incl. base)	kg	74.3; 118.9; 163.5; 208.1; 254.7; 299.3						
System dimensions (W x H x D) by number of battery modules (1 to 6, incl. base)	mm	590 x 685 x 255; 590 x 950 x 255; 590 x 1215 x 255; 590 x 1480 x 255; 590 x 1745 x 255; 590 x 2010 x 255						
Communication								
Communication interfaces		RS485; CAN; USB; App						

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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