

INVERTERS

SPE 15KTL3 HVM

Hybrid inverter · Three-phase · 15 kW


15 kW

RATED POWER

Three-phase

PHASE

2

MPPT TRACKERS

96 %

MAX. EFFICIENCY

Parameter	Unit	SPE 15KTL3 HVM
PV input		
Max. PV input power	W	18000
Start-up voltage	V	160
MPPT voltage range	V	200 – 850
Number of MPPT trackers		2
PV strings per MPPT		2
Max. input current per MPPT	A	25
Max. PV input voltage	V	1000
Max. short-circuit current per MPPT	A	32
AC output		
Rated output power	W	15000
Max. apparent power	VA	15000
Rated AC output current	A	21.7
Rated AC voltage	V	400
Nominal AC voltage (phase-neutral / phase-phase)	V	230 / 400
Phase		Three-phase
Rated AC frequency	Hz	50/60
Power factor		0.8 leading to 0.8 lagging (adjustable)
Total harmonic distortion (THDi)	%	<5
Backup output power	W	15000
Backup nominal AC voltage (phase-neutral / phase-phase)	V	230 / 400
Backup nominal AC frequency	Hz	50 / 60
Switch time		10 ms typical, RCD 20 ms max @ single unit; <30 ms @ parallel

Parameter	Unit	SPE 15KTL3 HVM
Generator input		Yes
Max. parallel system capacity	kW	90
Battery		
Nominal battery voltage	V	48
Battery voltage range	V	40 – 60
Max. charge current	A	300
Max. discharge current	A	300
Battery overcharge protection	V	60
Efficiency		
Max. efficiency	%	96
European efficiency	%	95
General data		
Dimensions (W x H x D)	mm	600 × 500 × 150
Weight	kg	25.5
Operating temperature range	°C	–20 – 50
Topology		Transformerless
Cooling		DC fan
Ingress protection (IP rating)		IP20
Relative humidity	%	5 – 95
Max. operating altitude	m	<2000
Communication		
Communication interfaces		Wi-Fi; 4G

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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