

INVERTERS

S5-EA1P3K-L

Hybrid inverter · Single-phase · 3 kW


3 kW

RATED POWER

Single-phase

PHASE

IP65

PROTECTION CLASS

12.1 kg

WEIGHT

Parameter	Unit	S5-EA1P3K-L
AC output		
Rated output power	W	3000
Max. output power	W	3000
Max. apparent power	VA	3000
Rated AC voltage	V	230
Nominal AC voltage options	V	220 / 230
Grid voltage range	V	184 – 264
Phase		Single-phase
Rated AC frequency	Hz	50/60
Rated AC output current	A	13
Max. AC output current	A	20
Power factor		>0.99 (0.8 leading to 0.8 lagging)
Total harmonic distortion (THDi)	%	<3
Nominal AC input voltage	V	220 / 230
AC input voltage range	V	184 – 264
Max. AC input current (@220 V / @230 V)	A	13.6 / 13
AC input frequency	Hz	50 / 60
AC input frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65

Parameter	Unit	S5-EA1P3K-L
Battery		
Battery type		Lithium battery / Lead-acid battery
Battery voltage range	V	40 – 60
Battery capacity	Ah	50 – 2000
Max. charge current	A	60
Max. discharge current	A	60
Battery communication		CAN
Efficiency		
Battery charging conversion efficiency	%	94.0
Battery discharging conversion efficiency	%	94.5
Protection		
Protection functions		Battery reverse-polarity protection; Battery over-voltage and under-voltage protection; AC short-circuit protection; AC output over-current protection; Temperature protection
General data		
Dimensions (W x H x D)	mm	405 × 510 × 150
Weight	kg	12.1
Topology		High-frequency isolated
Operating temperature range	°C	–25 – 60
Ingress protection (IP rating)		IP65
Cooling		Natural convection (fanless design)
Max. operating altitude	m	2000
DC port		Screw terminal
AC port		Screw crimp terminal (max. 6 mm ²)
Communication		
Display		LCD
Communication interfaces		RS485; CAN; Wi-Fi (optional); GPRS (optional)
Certifications		
Certifications and standards		IEC 62477; EN 61000-6-2/-3
Grid codes		G98 or G99; VDE-AR-N 4105/VDE V 0124; EN 50549-1; VDE 0126/UTE C 15/VFR:2019; RD 1699/RD 244/UNE 206006/UNE 206007-1; CEI 0-21; C10/11; NRS 097-2-1; TOR; EIFS 2018.2; IEC 62116; IEC 61727; IEC 60068; IEC 61683; MEA; PEA

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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