



SSA-HL5K-PIEU \ Off-Grid Single Phase Hybrid Inverter

Ti 28 Ti 28 series DSP ensures fast, stable, and reliable operation.

 Supports bidirectional DC soft start, extending service life.

 It supports Crown Elektroboost and lead-acid batteries.

 Built-in MPPT solar charge controller, tracking efficiency up to 99.5%.

 It can Parallel upto 6units.

 Built-in parallel kit.



TECHNICAL PARAMETERS

Model Name	SSA-HL5K-PIEU
Product Type	Off-Grid Single Phase Hybrid Inverter

Battery

Battery Type	lithium/Lead-acid
Voltage (range)	42-56.4 d.c.V
Nominal Battery Voltage	48 d.c.V
Charge Current (Maximum Continuous)	80 d.c.V

PV Input

MAX.PV Input Power	6000W
MPPT Tracking Range	120-430Vd.c.
Best Voltage	300-340 Vd.c.
Vmax-PV (Absolutemaximum)	500 d.c.V
Maximum Operating PV-Input Current	18 d.c.A
Vmax-PV (Absolutemaximum)	22 d.c.A
Max.Inverter Back Feed Current To the array	/

AC Input

Voltage (Nominal)	220/230 a.c.V
Current (Maximum Continuous)	40a.c.A
Frequency (nominal)	50/60Hz

AC Output

Voltage (Nominal)	220/230 a.c.V
Current (Maximum Continuous)	15.6 a.c.V
Frequency (Nominal)	50/60Hz
Power (Maximum Continuous)	5000VA
Power Factor	1
Maximum Output Over Current Protection	10s@110%-130% Load 0.2s@>150% Load

General Parameter

Operating Temperature	-10~+15°C (output Power Linely Derating When Exceed +50°C)
Humidity	20% -95% (Non-Condensing)
Storage Temperature	-15 - 60°C
Altitude	Not Over 1000m, Derating Over 2000m, Max 4000m. Refer to IEC62040
Noise	≤50dBA

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Display and Communication

LCD Display	DisplayRunningMode/Loads/Input/Outputetc.
RS232 Communication	Baud Rate 2400 (9600 for 3K6)
Port Parallel Connect	LithiumBatteryBMSCommunicationCard.DryContact
Interface Operating	WithParallel