



HYBRID INVERTER
8kW - PV12000
IP65 ~ Single Phase

5 Years Warranty

Dual Outputs

Smart / Heavy Load

IP65 Ingress Protection

SOLPRO SERIES

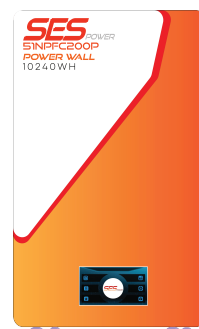
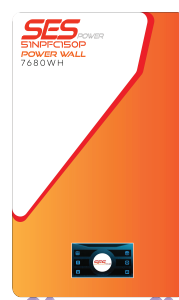
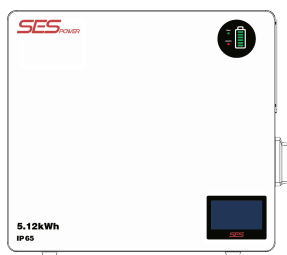
MAX 150% PV Input

Dual Outputs

Smart / Heavy Load

Large Touch LCD

Aluminum body



Specifications

Technical Data

SES8K-SLP

PV Input	
Max. Input Power (kW)	12
Max. PV Voltage (V)	550
MPPT Range (V)	80 - 500
Full MPPT Range (V)	150 - 500
Normal Voltage (V)	360
Startup Voltage (V)	100
Max. Input Current (A)	18.5 x 3
Max. Short Current (A)	26 x 3
No. of MPP Tracker / No. of PV String	3 / 1+1+2
Battery Port	
Max. Charge/Discharge Power (kW)	8.0
Max. Charge/Discharge Current (A)	200
Battery Normal Voltage (V)	51.2
Battery Voltage Range (V)	40 - 60
Battery Type	Li-ion / Lead-acid etc.
AC Grid & Diesel Gen (Optional)	
Max Continuous Current (A)	37
Max Continuous Power (kVA)	8.0
Nominal Grid Current (A)	36.4 / 34.8
Nominal Grid Voltage (V)	198 to 242 @ 220 / 207 to 253 @ 230
Nominal Grid Frequency (Hz)	50 / 60
Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)
Current THD (%)	< 3
AC Load Output	
Max Continuous Current (A)	37
Max Continuous Power (kVA)	8
Max Peak Current (A) (10min)	55.5
Max Peak Power (kVA) (10min)	12
Nominal AC Voltage L-N (V)	220 / 230
Nominal AC Frequency (Hz)	50 / 60
Switching Time (ms)	Seamless
Voltage THD (%)	< 3
Efficiency	
European Efficiency (%)	98.1
Max. Efficiency (%)	96.8
Protection	
PV Reverse Polarity Protection	Yes
Bat. Reverse Polarity Protection	Yes
Over Current/Voltage Protection	Yes
Anti-Islanding Protection	Yes
AC Short Circuit Protection	Yes
Residual Current Detection	Yes
Ground Fault Monitoring	Yes
PV Arc Detection	Yes
Enclosure Protect Level	IP65
General Data	
Dimensions (W x H x D, mm)	785 x 614 x 258
Weight (kg)	43
Topology	Transformerless
Cooling	Intelligent Fan
Relative Humidity	0 - 100 %
Operating Temperature Range (°C)	- 25 to 60 (Derating 45)
Operating Altitude (m)	< 4000
Standby Consumption (W)	< 30
Mounting	Wall Bracket
Communication with RSD	SUNSPEC
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G
Certification & Approvals	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2
EMC	EN61000-6-2, EN61000-6-3

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