5-12kW Deye Hybrid Inverter

Smart Port (additional AC port), can be used as:
- Generator input
- Grid-tie (or Micro Inverter) input
- Smart Load Output

Anti-reflux CT included: With this hybrid energy can be exported or sent exclusively to non-essential loads when there is excess solar available.

WIFI dongle included for remote monitoring

Touch screen interface

IP65 rated body



FEATURES

- 4 Year warrantee
- Parallelable up to 16 units
- 99.9% MPPT Efficiency, PV & Wind turbine compatible.
- 2 Solar MPPTs (East-West Configurable)
- Intelligent battery state-of-charge switching.

E-mail JHB: sales@averge.co.za | **E-mail CPT:** wvolschenk@averge.co.za
Address JHB : 16B Axle Drive Clayville, Olifantsfontein | **Address CPT:** unit 4, 4 Warbler Close, Montague gardens
Website: www.averge.co.za | **BBBEE:** Level 2
Tel JHB: +27 (0) 12 450 0940 | **Tel CPT:** 082 560 4559

Model:	SUN-5K-SG01-LP1-EU	SUN-8K-SG01-LP1-EU	SUN-12K-SG04-LP3
Mounting:	Wall mount		
Parallel:	16 Max		
AC Couple:	Yes		
Phases:	Single (3 for 3-Phase)		3-Phase
Emergency Power Supply output/ Inverter			
Power factor:	1 (0.8 lead or lagging)		
Rated EPS Power:	5000 W	8000 W	12000 W
Max Power:	5500 W	8800 W	13200 W
Overload:	2 x Rated power for 10 sec		
EPS Voltage [Settable]:	220~240 V.AC (±3%) (per phase)		
EPS Frequency [Settable]:	50/60 Hz (±1%)		
Efficiency:	97.60%		
Harmonic distortion:	THD <3% (linear load<1.5%)		
Hybrid functionality/ Inverter			
Limited Return to grid:	Anti-Reflux (with CT or Meter) or Power Limiting		
Max Return power:	5kW [Settable]	8kW [Settable]	12kW [Settable]
Input and bypass allowance			
Input Voltage:	90 ~ 280 V.AC (per phase)		
Input Frequency:	45 ~ 65 Hz		
Input Current max:	25 A	40 A	45 A (27A/Phase)
Transfer Time:	<10ms		
PV Input / MPPT			
Max PV Power:	6500 W	10400 W	15600 W
Maximum Voltage (VOC):	500 V.DC		800 V.DC
Optimum Range (Vmp):	240 ~ 425 V.DC		250 ~ 650 V.DC
Minimum Voltage:	125 V.DC		160 V.DC
MPPT Current:	13A + 13A	26A + 26A	26A + 13A
MPPT Max (ISC):	17A + 17A	34A + 34A	34A + 17A
Number of MPPTs:	2		
Efficiency:	99.9%		
Battery Info [DC]			
Battery Voltage:	48 V.DC		
Max Charge Current:	120A	190A	240A
Voltage Range:	40 ~ 60 V.DC		
Other			
Operating Temp:	-25 ~ 60°C		
Multi-purpose Input:	Generator input, Grid-tie input or Smart-Load-Output.		
Weather Rating:	IP65		
Communication Built in:	RS485, CAN		
Optional Monitoring:	Included Sonarman WIFI (or Ethernet) dongle		
Auto Gen start:	Gen Input / DryC		
Warranty:	4 years		
Dimensions:	365.5W×470.5H×261D	330W×580H×232D	422W×699.3H×279D
Weight:	15kg	20.5kg	33.6kg

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