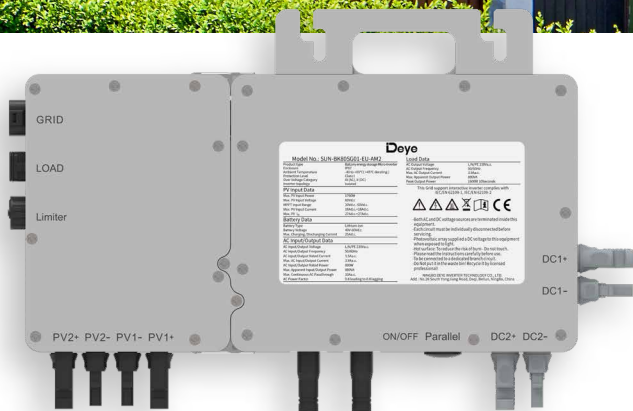


Micro Hybrid Inverter

SUN-BK60/80/100/SG01-EU-AM2



- ✓ IP67 protection degree
- ✓ WIFI communication
- ✓ Wireless CT, Wireless Smart Switch and Wireless BMS communication
- ✓ AC couple to retrofit existing solar system
- ✓ Max. charging/discharging current 25A
- ✓ Expand two independent PV inputs
- ✓ Working in Microinverter mode or storage inverter mode
- ✓ Supports UPS load, fast switching within 4ms

Deye

Stock Code: 605117.SH

Model	SUN-BK60SG01-EU-AM2		SUN-BK80SG01-EU-AM2	SUN-BK100SG01-EU-AM2
Battery Input Data				
Battery Type	Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	25			
Max. Discharging Current (A)	25			
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
Number of Battery Input	1			
PV String Input Data				
Max. PV Access Power (W)	1320	1760	2200	
Max. PV Input Power (W)	960	1280	1600	
Max. PV Input Voltage (V)	60			
Start-up Voltage (V)	25			
MPPT Voltage Range (V)	20-55			
Rated PV Input Voltage (V)	42.5			
Max. Operating PV Input Current (A)	18+18			
Max. Input Short-Circuit Current (A)	27+27			
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/1+1			
AC Input/Output Data				
Rated AC Input/Output Active Power (W)	600	800	1000	
Max. AC Input/Output Active Power (W)	660	880	1100	
Max. AC Input/Output Apparent Power (VA)	660	880	1100	
Rated AC Input/Output Current (A)	2.8/2.7	3.7/3.5	4.6/4.4	
Max. AC Input/Output Current (A)	3/2.9	4/3.9	5/4.8	
Max. Continuous AC Passthrough (grid to load) (A)	10			
Peak Power (off-grid) (W)	2 times of rated power, 10s			
Power Factor Adjustment Range	0.8 leading to 0.8 lagging			
Rated Input/Output Voltage/Range (V)	220/230 0.85Un-1.1Un			
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65			
Grid Connection Form	L+N+PE			
Total Current Harmonic Distortion THDi	<3% (of nominal power)			
DC Injection Current	<0.5% In			
Efficiency				
Max. Efficiency	96.5%			
Euro Efficiency	96.0%			
MPPT Efficiency	>99%			
Equipment Protection				
Integrated	DC Reverse Polarity Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, Anti-islanding Protection,Insulation Impedance Detection			
Surge Protection Level	TYPE II(DC), TYPE II(AC)			
General Data				
Operating Temperature Range (°C)	-40 to ~65°C			
Permissible Ambient Humidity	0-100%			
Permissible Altitude	2000m			
Noise (dB)	≤25			
Ingress Protection(IP) Rating	IP 67			
Inverter Topology	Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Communication	Wi-Fi, Lora, Bluetooth			
Cabinet Size (WxHxD mm)	364.5×183×32.9 (Excluding Connectors and Brackets)			
Weight (kg)	4.55			
Type of Cooling	Natural Cooling			
Warranty	Standard 10/15 years, extended warranty			
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, VDE-AR-N 4105			
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			