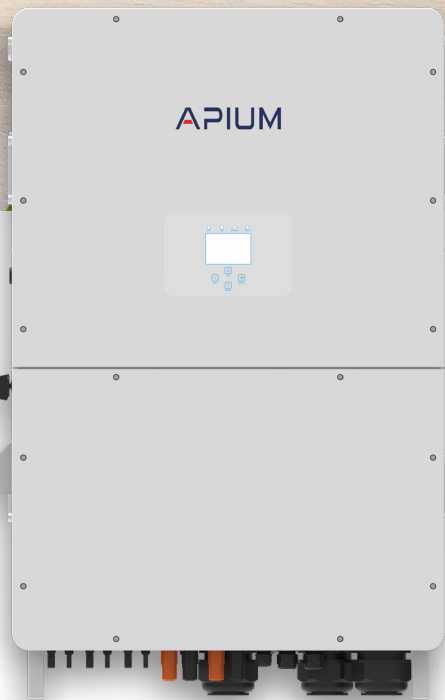


Three Phase Hybrid Inverter

SUN-100K-SG02HP3-EU-GM8

SUN-100/125K-SG02HP3-EU-GM10



AC couple to retrofit existing solar system



Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Max. charging/discharging current of 200A



High voltage battery, higher efficiency



6 time periods for battery charging/discharging



Support storing energy from diesel generator

APIUM

Technical Data

Model	SUN-100K-SG02HP3-EU-GM8			SUN-100K-SG02HP3-EU-GM10			SUN-125K-SG02HP3-EU-GM10		
Battery Input Data									
Battery Type	Lithium-ion								
Battery Voltage Range (V)	160-1000								
Max. Charging Current (A)	100+100								
Max. Discharging Current (A)	100+100								
Charging Strategy for Li-ion Battery	Self-adaption to BMS								
Number of Battery Input	2								
PV String Input Data									
Max. PV Access Power (W)	120000		200000		250000				
Max. PV Input Power (W)	160000		160000		200000				
Max. PV Input Voltage (V)	1000								
Start-up Voltage (V)	180								
MPPT Voltage Range (V)	150-850								
Rated PV Input Voltage (V)	650								
Max. Operating PV Input Current (A)	42+42+42+42+42+42+42+42		42+42+42+42+42+42+42+42+42+42						
Max. Input Short-Circuit Current (A)	63+63+63+63+63+63+63+63		63+63+63+63+63+63+63+63+63+63						
No. of MPP Trackers/No. of Strings MPP Tracker	8/2+2+2+2+2+2+2+2		10/2+2+2+2+2+2+2+2+2						
AC Input/Output Data									
Rated AC Input/Output Active Power (W)	100000		100000		125000				
Max. AC Input/Output Apparent Power (VA)	110000		110000		135000				
Rated AC Input/Output Current (A)	151.6/145.0		151.6/145.0		189.4/181.2				
Max. AC Input/Output Current (A)	166.7/159.5		166.7/159.5		204.6/195.7				
Max. Continuous AC Passthrough (grid to load) (A)	250								
Power Factor Adjustment Range	0.8 leading to 0.8 lagging								
Rated Input/Output Voltage/Range (V)	220/380V, 230/400V 0.85Un-1.1Un								
Rated Input/Output Grid Frequency/Range(Hz)	50/45-55, 60/55-65								
Grid Connection Form	3L+N+PE								
Total Current Harmonic Distortion THDi	<3% (of nominal power)								
DC Injection Current	<0.5% In								
Efficiency									
Max. Efficiency	98.70%								
Euro Efficiency	98.10%								
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, DC Component Monitoring, Arc Fault Circuit Interrupter(AFCI) (optional), Anti-islanding Protection, DC Switch, Insulation Impedance Detection, Residual Current Detection								
Surge Protection Level	TYPE II(DC),TYPE II(AC)								
Interface									
LCD/LED Display	LCD+LED								
Communication Interface	RS485,RS232,CAN								
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)								
General Data									
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating								
Permissible Ambient Humidity	0-100%								
Permissible Altitude	3000m								
Noise	≤ 65 dB(A)								
Ingress Protection(IP) Rating	IP 65								
Inverter Topology	Non-Isolated								
Over Voltage Category	OVC II(DC), OVC III(AC)								
Cabinet Size (WxHxD mm)	734×1091×344 (Excluding Connectors and Brackets)								
Weight (kg)	161.7								
Type of Cooling	Intelligent air cooling								
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy								
Grid Regulation	IEC 61727,IEC 62116,CEI 0-21,EN 50549 , NRS 097,RD 140,UNE 217002, OVE-Richtlinie R25,G99,VDE-AR-N 4105								
Safety / EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2								