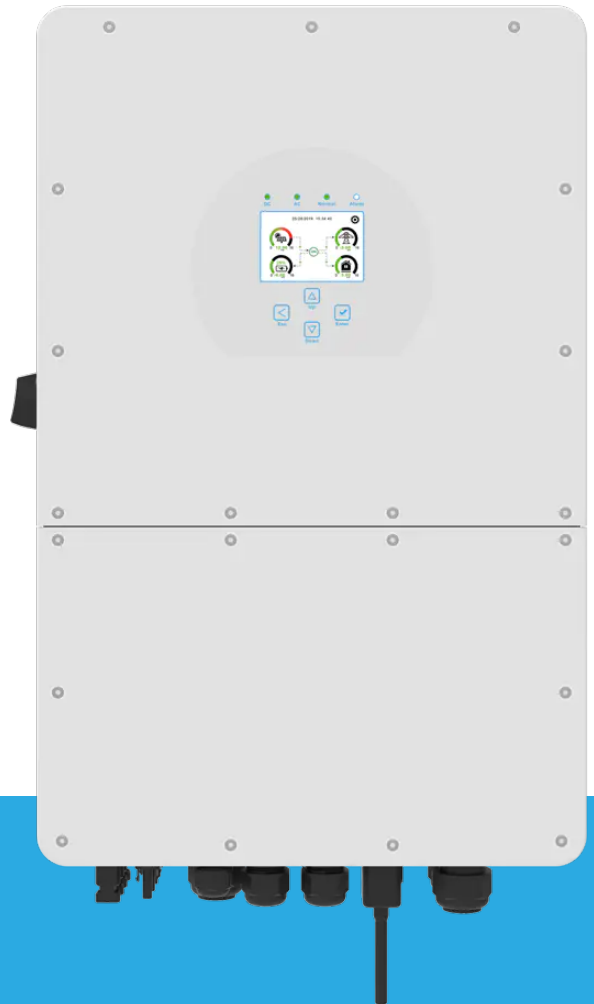


Vorsprung in
Gebäudetechnik durch
Machine Learning

Lynus Hybrid Inverter
5/6/8/10/12/15/20/25K-
SG01HP3-EU-AM2
5-25kW
Three Phase 2 MPPT
High Voltage Battery



Funktionen & Eigenschaften

- 100% unsymmetrischer Ausgang, jede Phase; Max. Ausgang bis zu 50% Nennleistung
- DC-Kopplung und AC-Kopplung zur Nachrüstung einer bestehenden Solaranlage
- Max. 10 Stück parallel für netzgebundenen und netzunabhängigen Betrieb; unterstützt mehrere Batterien parallel
- Max. Lade-/Entladestrom von 50A
- Hochspannungsbatterie, höherer Wirkungsgrad

Modell	Lynus 5 kW Hybrid Inverter	Lynus 6 kW Hybrid Inverter	Lynus 8 kW Hybrid Inverter	Lynus 10 kW Hybrid Inverter	Lynus 12 kW Hybrid Inverter	Lynus 15 kW Hybrid Inverter	Lynus 20 kW Hybrid Inverter	Lynus 25kW Hybrid Inverter
Batterie-Eingangsdaten								
Battery Type	Lithium-ion							
Battery Voltage Range (V)	160~700							
Max. Charging Current (A)	37							50
Max. Discharging Current (A)	37							50
Number of Battery Input	1							
Charging Strategy for Li-Ion Battery	Self-adaption to BMS							
PV String Eingangsdaten								
Max. DC Input Power (W)	6500	7800	10400	13000	15600	19500	26000	32500
Max. DC Input Voltage (V)	1000							
Start-up Voltage (V)	180							
MPPT Range (V)	150-850							
Full Load DC Voltage Range (V)	195-850	195-850	260-850	325-850	340-850	420-850	500-850	625-850
Rated DC Input Voltage (V)	600							
PV Input Current (A)	20+20				26+20		26+26	
Max. PV I _{SC} (A)	30+30				39+30		39+39	
No.of MPP Trackers	2							
No.of Strings per MPP Tracker	1+1				2+1		2+2	
AC-Ausgangsdaten								
Rated AC Output and UPS Power (W)	5000	6000	8000	10000	12000	15000	20000	25000
Max. AC Output Power (W)	5500	6600	8800	11000	13200	16500	22000	27500
AC Output Rated Current (A)	7.6/7.3	9.1/8.7	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8	30.4/29	37.9/36.3
Max. AC Output Rated Current (A)	8.4/8	10/9.6	13.4/12.8	16.7/16	20/19.2	25/24	33.4/31.9	41.7/39.9
Max. Three-phase Unbalanced Output Current	13	13	18	22	25	30	35	40
Max. Continuous AC Passthrough (A)	40				80			
Peak Power (off grid)	1.5 time of rated power, 10 S							
Generator Input/Smart Load /AC Couple Current (A)	7.6/40/7.6	9.1/40/9.1	12.2/40/12.2	15.2/40/15.2	18.2/80/18.2	22.8/80/22.8	30.4/80/30.4	37.9/80/37.9
Power Factor	0.8 leading to 0.8 lagging							
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac							
Grid Type	Three Phase							
Total Harmonic Distortion (THD)	<3% (of nominal power)							
DC Current Injection	<0.5% I _n							
Wirkungsgrad								
Max. Efficiency	97.60%							
Euro Efficiency	97.00%							
MPPT Efficiency	99.90%							
Schutz								
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection							
Over Voltage Category	DC Type II/AC Type III							
Zertifizierungen und Normen								
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150							
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							
Allgemeine Daten								
Operating Temperature Range (°C)	-40-60°C, >45°C derating							
Cooling	Smart Cooling							
Noise (dB)	≤55 dB							
Communication with BMS	RS485; CAN							
Weight (kg)	30.5							
Size (mm)	408W×638H×237D							
Protection Degree	IP65							
Installation Style	Wall-mounted							
Warranty	5 Years (10 Years Optional)							

*Note: The function of Multiple units work in parallel mode will be available in Q1 2023