

All-in-One
- Modulare, kompakt und einfach
- Einfache Installation
- Flexible Batterieerweiterung (5 kWh bis 40 kWh)

Sicher und zuverlässig
- Kurzschlussschutz
- Optionale Lichtbogenfehlervermeidung (AFCI)
- Optionale schnelle Abschaltung (RSD)

Standhalten von 150%
Einschaltstrom über 10 Sekunden

Unterstützung von 150%
überdimensionierter PV-Leistung

Unterstützung von 100%
asymmetrische Last

Ultraschneller Umschaltvorgang (10 ms)
vom Netz- zum Inselbetriebszustand

12 Jahre Garantie

Unterstützung von Wärmepumpe (optional)

System Parameters								
Norminal Output Power	5~15kW							
Anzahl der Batteriemodule	1	2	3	4	5	6	7	8
Batteriekapazität	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Abmessungen (B/H/T) mm	650/875/250	650/1190/250	650/1505/250	650/1820/250	650/1505/250 650/910/190	650/1505/250 650/1225/190	650/1820/250 650/1225/190	650/1820/250 650/1540/190
Gesamtgewicht	98kg	150kg	202kg	254kg	202kg+119kg	202kg+171kg	254kg+171kg	254kg+223kg
Operating temperature	Discharging:-4℉ to 122℉ (-20℃ to 50℃), Charging:14℉ to 122℉ (-10℃to 50℃)							
Relative humidity	5% to 95%, non-condensation							
Höhe	<4000m(>3000m derating)							
Cooling method	Air cooling							
Noise emission	<47dB							
Schutzart	IP65							
Installationsmethode	Gestapelt / An der Wand gelehnt							
Safety standards	EN 62109-1/EN 62109-2/EN 62477-1/EN 61000-6-1/EN61000-6-3							
Grid standards	EN 50549-1/VDE4105/VDE 0124//NC-RfG:2016/EIFS:2018/ToR Type A/ NA/EEA-NE7-CH2020							
Battery standards	IEC62619/CE/UN38.3/VDE 2510-50/FCC/UL1973							

Residential Speichersysteme

SunESS Power All-in-One

Battery Module						
Battery Type	LiFePO4					
Nominal energy	5kWh					
Usable energy	4.5kWh					
Rated voltage	400V					
Voltage range	350~450V					
Rated charge/discharge power	2.5kW					
Peak output power	4.2kW/20s					
Weight	52kg					
Dimensions (W/H/D)	650/315/190mm					
Inverter Module	**SW5KH3UT**	**SW6KH3UT**	**SW8KH3UT**	**SW10KH3UT**	**SW12KH3UT**	**SW15KH3UT**
PV Input Parameters						
Max. Eingangsleistung	8000W	9000W	12000W	15000W	22500W	22500W
Max. Eingangsspannung	1000V					
MPPT voltage range	180~850V					
Start-up voltage	180V					
Max. input current per MPPT	A: 15A	A: 15A	A: 15A / B: 30A	A: 15A / B: 30A	A: 15A / B: 30A	A: 15A/ B: 30A
Max. short-circuit current per MPPT	A: 19A	A: 19A	A: 19A / B: 38A	A: 19A / B: 38A	A: 19A / B: 38A	A: 19A/ B: 38A
Number of MPPTs	1	1	2	2	2	2
Number of input strings per MPPT	A: 1	A: 1	A: 1/ B: 2	A: 1/ B: 2	A: 1/ B: 2	A: 1/ B: 2
Battery Input Parameters						
Support battery capacity	5~40kWh					
Rated battery voltage	400V					
Battery voltage range	350~450V					
Max. continuous charging current		23A			46A	
Max. continuous discharge current		23A			46A	
Max. discharge power	5000W	6000W	8000W	10000W	12000W	15000W
Max. charging power	5000W	6000W	8000W	10000W	12000W	15000W
Output parameters(On-grid)						
Rated output power	5000W	6000W	8000W	10000W	12000W	15000W
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. input apparent power	8000VA	9000VA	12000VA	15000VA	18000VA	22500VA
Rated output voltage	220/380V 230/400V 3W/N/PE					
Rated output frequency	50Hz					
Max. output current	8.4A	10A	13.4A	16.7A	20A	25A
Max. input current	12.2A	13.7A	18.2A	22.8A	27.4A	34.2A
Power factor	0.8 leading to 0.8 lagging					
THDi	<3%					
Output parameters(Off-grid)						
Off-grid rated apparent power	5000VA	6000VA	8000VA	10000VA	12000VA	15000VA
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA	16500VA
Max. output current	7.6A	10A	13.4A	16.7A	20A	25A
Rated output voltage	220/380V 230/400V 3W/N/PE					
Rated output frequency	50Hz					
THDv (@Linear Load)	<3%					
Efficiency						
Max. efficiency	97.4%	97.4%	97.8%	97.8%	97.8%	97.8%
Euro. Efficiency	96.5%	96.5%	96.8%	96.8%	97%	97%
Protection						
Eingang DC-Schalter	Integrated					
Detektion des Isolationswiderstands	Integrated					
Differenzstrom-Überwachung	Integrated					
Input reverse polarity protection	Yes					
Anti-Islanding Protection	Yes					
Over current protection	Yes					
AC short circuit protection	Yes					
AC Over voltage protection	Yes					
AFCI(Arc Fault Circuit Interrupter) Protection	Optional					
Dry contact remote scheduling	Yes					
DC Surge Protection	Type II	Type II	Type II	Type II	Type II	Type II
AC surge protection	Type II	Type II	Type II	Type II	Type II	Type II
Basic parameters						
Display	LED&APP					
BMS communication method	CAN					
Meter communication method	RS485					
Monitoring method	WiFi/bluetooth					
Topology	Transformerless					
Operating temperature range	−30~60 ℃ (>45℃derating)					
Weight	41kg					
Dimensions (W/H/D)	650/480/250mm					