

YOUR
SMART
ENERGY



Additional
energy use



Longer
service life



SMILE-G3-T4/T6/T8/T10

HOME SERIES

POWER

4 / 6 / 8 / 10 kW

CAPACITY

3.65 kWh modular
expandable up to 43.8 kWh



Munich RE



reddot design award 2022



GOOD DESIGN AWARD



HYBRID BATTERY

World
First

Optimal capacity utilization through pack balancing

100% charge/discharge power at 1C

High reliability through Multi-BMS system

Safe lithium iron phosphate (LFP) cells

Performance warranty up to 25 years

5-year all-risk insurance (optional)



HYBRID INVERTER

UPS capability

Price signaling capability

Wall and floor mounting

Anti-shading function

3x MPPTs optimal for flexible roof
orientation

Smart Home Ready



SMILE-G3-T4/T6/T8/T10



Model	SMILE-G3-T4	SMILE-G3-T6	SMILE-G3-T8	SMILE-G3-T10
Energy Storage System				
Max. AC Nominal Power	4,000 W	6,000 W	8,000 W	10,000 W
Rated Apparent Power	4,000 VA	6,000 VA	8,000 VA	10,000 VA
Usable Capacity	3.65 ~ 43.8 kWh			
Cell Technology	LFP (LiFePO4) cobalt-free			
IP Protection	IP 21 (Battery), IP 65 (Inverter)			
Product Warranty	10 years			
Battery Performance Warranty	10 years linear, extendable up to 25 years			
Max. Efficiency	97%			
European Efficiency	96.8%			
Hybrid Inverter				
Model	SMILE-G3-T4-INV	SMILE-G3-T6-INV	SMILE-G3-T8-INV	SMILE-G3-T10-INV
Max. PV Input Power	8,000 W	12,000 W	16,000 W	20,000 W
Max. PV Input Current	16 A / 16 A			
Max. PV Input Voltage	1,000 V			
MPPT Count/Strings per MPPT	3 / 1			
MPPT Voltage Range	140 ~ 950 V			
Max. PV Short-Circuit Current	24 A / 24 A / 24 A			
Max. Charge/Discharge Current	40 A			
Max. Charge/Discharge Power*	4,000 W	6,000 W	6,000 W	10,000 W
Grid Frequency	50 / 60 Hz			
Nominal Voltage	230 V / 400 V			
Grid Connection	Three-phase			
Nominal Output Power (AC)	4,000 W	6,000 W	6,000 W	10,000 W
Nominal Output Power (Backup)	4,000 W	6,000 W	6,000 W	10,000 W
Backup Function	UPS			
Communication	Ethernet / WiFi / Modbus / API			
Relative Humidity	0 ~ 90% (No Condensation)			
Dimensions (W x H x D)	610 x 416 x 212.5 mm			
Weight	26.7 kg			
Certifications	IEC 62109, IEC 62040, EN 61000 - 6 - 1/3			
Grid Compliance	VDE 4105, EN 50549-1, TOR Erzeuger			
DC Overvoltage Protection	Yes (Protection Type II according to EN / IEC 61643)			
Cooling	Controlled Ventilator			
Noise Emission	≤ 39 dB			
Battery SMILE-G3-BAT-3.8S				
Usable Capacity	3.65 kWh			
Nominal Voltage	96 V			
Operating Temperature	-10°C to 50°C, optimal 15°C to 30°C			
Weight	39.2 kg			
Dimensions (W x H x D)	610 x 435 x 212.5 mm			
Cycle Life	10,000 ***			
Max. Charge / Discharge Current	40 A			
Modular Units	1 ~ 12 in series			
Expansion	Max. 36 months after commissioning **			
Noise Emission	≤ 35 dB			

* Performance reduction may occur depending on the state of charge and temperature.

** Subject to availability.

*** Under specific test conditions.



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