



Product HIGHLIGHT



Efficient Power Generation:
6-channel 75A MPPT design compatible with 182mm and 210mm modules, achieving up to 99.05% maximum efficiency and 98.8% European efficiency.



Stable & Weather-Resistant: SCR ≥ 0.99 ensures stable operation even in extremely weak grid conditions, with IP66 protection and C5 anti-corrosion rating.



Smart Monitoring: Supports power line communication (PLC), with PV string monitoring and intelligent breaking technology to improve system management efficiency.



Solar Inverter

Solar / Hybrid Inverter - EU/CA

The series products provide hybrid inverter for home use and pure solar inverter for commercial or industrial needs.

To use green energy for solar power, the solar inverter is a critical equipment in solar power system. It can convert the direct current generated by solar modules into alternating current for daily power use. If we use our energy storage with inverter, it can storage extra solar power for night use or heavy power needs.

Input	
Max. PV input voltage	1500 V
MPPT voltage range	500 ~ 1500 V
Start-up voltage	550 V
Rated PV input voltage	1180 V
Max. PV input current per MPPT	75 A
Max. PV short circuit current per MPPT	125 A
Number of MPPT	6
Number of PV input	30
AC Output	
Rated output power	352 kW @ 30 °C / 320 kW@ 40 °C / 302 kW@ 50 °C / 300 kW @ 51 °C
Max. output power	352 kW
Max. output apparent power	352 kVA
Rated voltage	800 V, 3L / PE
Rated grid frequency	50 / 60 Hz
Max. output current	254 A
Rated output current	252.6 A
Power factor	~1 (0.8 leading to 0.8 lagging)
THDi (rated power)	<1%
Efficiency	
Max. efficiency	99.05%
European efficiency	98.8%
Protection	
PV string current monitoring	Integrated
PV insulation detection	Integrated
Residual current monitoring unit	Integrated
DC reserve connection protection	Integrated
Anti-island protection	Integrated
AC short circuit protection	Integrated
AC overvoltage protection	Integrated
DC switch	Integrated
DC surge protection	Type II

AC surge protection	Type II
Reactive power compensation at night	Integrated
AFCI	Optional
Anti-PID & PID recovery	Optional
General Information	
Dimensions (W×H×D)	1147 × 800 × 362 mm
Weight	< 117 kg
Operating temperature	-30 to +60°C
Operating humidity	0 - 100% RH (non-condensing)
Altitude	≤ 4000m
Protection	IP66
Cooling	Smart Air Cooling
Isolation Method	Non-isolated
AC Connection	OT/DT Terminal (Max. 400mm ²)
Interface / Communication	
Display	LED, Bluetooth+ APP
Communication Interface	RS485, PLC

© 2025 Smartgreen-Solution Co., Ltd. All rights reserved. Subject to change with notice. Rev.02 EU/CA 2026.08



get in
TOUCH

www.smartgreen-solution.com

4F, No. 169, Xing'ai Rd., Neihu Dist., Taipei City 114, Taiwan, R.O.C.

TEL: +886-2-2792-8558

Email: official@smartgreen-solution.com