

C6 String Inverter

C6 on-grid PV inverters: ideal for commercial and industrial rooftops, agriculture-fishing PV systems, and distributed projects in challenging terrains. Featuring a self-developed MPPT algorithm with up to 98.8% efficiency, supporting 12 MPPT for versatile module orientations, and a 40A MPPT input current for high-power modules. With 150% DC over-sizing for increased generation and returns. Built to withstand harsh conditions with IP66 protection and IP68 fan cooling. Optional AFCI ensures power station safety. Easily connect to the monitoring cloud platform for comprehensive control and intelligent maintenance.



High Efficiency Power Generation

- Maximum conversion efficiency reaches up to 98.8%
- Maximum string current 20A
- 12 MPPT, 150% PV oversizing



Safe and Reliable

- AFCI reduces the risk of fire
- AC and DC type II SPD ensures safer and more stable operation
- IP66 protection adapts to harsh outdoor environments
- Intelligent air-cooling ensures high reliability and continuous operation



Intelligence and User-friendly

- 7*24 hours monitoring, Real-time access to plant-wide information
- Supporting remotely parameter setting and load monitoring
- Easy upgrades, worry-free, intelligent operation and maintenance

C6-75K-T6-40 | C6-99.9K-T9-40 | C6-100K-T9-40

C6-110K-T12-40 | C6-125K-T12-40

MODEL	C6-75K-T6-40	C6-99.9K-T9-40	C6-100K-T9-40	C6-110K-T12-40	C6-125K-T12-40
DC Input					
Max. PV Array Power [KWp]@STC	144	200	200	220	250
Max. DC Voltage [V]			1100		
MPPT Voltage Range [V]			180~1000		
Rated DC Voltage [V]			600		
Start Voltage [V]			200		
Min. DC Voltage [V]			180		
Max. DC Input Current [A]	6*40	9*40	9*40	12*40	12*40
Max. DC Short Circuit Current [A]	6*50	9*50	9*50	12*50	12*50
No. of Strings per MPPT			2		
No. of MPPT	6	9	9	12	12
DC Switch			Integrated		
AC Output					
Rated AC Power [kW]	75	99.9	100	110	125
Max. Apparent Power*1 [kVA]	82.5	99.9	110	121	125
Rated Output Current [A]@230Vac	108.3	144.2	144.3	158.8	180.4
Max. Output Current [A]	119.1	144.2	158.8	174.6	180.4
Rated AC Voltage/Range [V]			3+N+PE,230/400		
Rated Output Frequency/Range [Hz]			50,60/45 ~ 55,55 ~ 65		
Power Factor [cos φ]			0.8 leading ~ 0.8 lagging		
Total Harmonic Distortion [THDi]			<3%		
Efficiency					
Max. Efficiency			98.8%		
Euro Efficiency			98.5%		
Protection					
Internal Overvoltage Protection			Integrated		
DC Insulation Resistance Detection			Integrated		
Grid Monitoring			Integrated		
GFCI Monitoring			Integrated		
DCI Monitoring			Integrated		
AC Short Circuit Current Protection			Integrated		
AC Grounding Detection			Integrated		
DC Surge Protection			Typell		
AC Surge Protection			Typell		
Anti-islanding Protection			Integrated		
AFCI Protection			Optional		
Interface					
DC Connection			MC4/H4		
AC Connection			OT/DT Terminal(Max.240mm²)		
Display			LED+APP		
Communication Port			RS232(USB)+RS485(RJ45)+DRM		
Communication			Wi-Fi/Ethernet/4G/PLC(Optional)		
General Parameters					
Topology			Non-isolated		
Consumption at Night [W]			<2		
Operating Temperature Range			-30°C to +60°C (45°C to 60°C with derating)		
Cooling Method			Intelligent Fan cooling		
Ambient Humidity			0~100% Non-condensing		
Altitude			4000m (>3000m Power Derating)		
Ingress Protection			IP66		
Mounting			Wall Mounting		
Dimensions [H*W*D] [mm]			660*1045*361		
Weight [kg]		93		98	
Warranty [Year]			5/10/15/20		
Applicable Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1				

Remarks: *1 According to C10/C11, Max. Apparent Power= Rated AC Power.