

C6 SERIES

STRING INVERTER



C6-75K-T6 | C6-100K-T9
C6-110K-T12 | C6-125K-T12

SAFE AND RELIABLE

- Type II AC & DC surge protection
- IP68 rated intelligent cooling fan
- AFCI protection
- IP66 & C5 Protection

COST SAVINGS

- Power line communication (PLC)
- Compatible with AI cables
- SVG function

ULTRA-HIGH ENERGY YIELD

- String current up to 15A
- PID recovery function
- Max. efficiency 99%
- Max. 12 MPP trackers

SMART AND USER-FRIENDLY

- Smart IV curve scan and diagnosis
- 24/7 load monitoring
- Easy upgrade

Model	C6-75K-T6	C6-100K-T9	C6-110K-T12	C6-125K-T12
Input (DC)				
Max. PV Array Power[kWp]@STC	112.5	150	165	180
Max. Input Voltage[V]		1100		
MPP Voltage Range[V]		180-1000		
Nominal Input Voltage[V]		600		
Startup Voltage[V]		200		
Min. Input Voltage[V]		180		
Max. Input Current[A]	6*30	9*30	9*45	12*30
Max. Short-Circuit Current[A]	6*45	9*45		12*45
Number of strings per MPP tracker			2	
Number of MPP trackers	6	9		12
DC Switch			Integrated	
Output (AC)				
Rated AC Output Power[kW]	75	100	110	125
Max. AC Output Power[kW]	82.5	110	121	125
Max. AC Apparent Power[kVA]	110	144.3	158.8	180.4
Rated AC Output Current[A]	108.3	144.3	158.8	180.4
Max. AC Output Current[A]	119.1	158.8	174.6	180.4
Nominal AC Voltage[V]	3L+N+PE/3L+PE,230/400			
Nominal AC Grid Frequency/ Range[Hz]	50, 60 / 44-55, 54-65			
Total Distortion Harmonic[THDI]	<3%			
Adjustable Power Factor	0.8 leading-0.8 lagging			
Efficiency				
Max. Efficiency	98.5%			
Euro. Efficiency	98.5%			
Protection				
PV String Current Monitoring	Integrated			
Internal Temperature Detection	Integrated			
Residual Current Monitoring Unit	Integrated			
DC Insulation Resistance Detection	Integrated			
Anti-islanding Protection	Integrated			
DC Reverse Polarity Protection	Integrated			
DC Surge Protection	Type II			
AC Surge Protection	Type II			
AC Overcurrent Protection	Integrated			
AC Short-Circuit Protection	Integrated			
AC Overvoltage Protection	Integrated			
AFCI Protection	Optional			
PID Recovery	Optional			
Interface				
AC Connection	OVD/DT Terminal (Max. 240 mm ²)			
DC Connection	MC4			
Display	LED-APP (Bluetooth)			
Communication Port	RS232+RS485			
Communication Mode	Wi-Fi/Ethernet/4G/PLC (Optional)			
General Data				
Topology	Transformerless			
Nighttime Power Consumption[W]	<2			
Operating Temperature Range	-40°C~+60°C			
Cooling Method	Intelligent Fan Cooling			
Ambient Humidity	0%-100% Non-condensing			
Max. Operating Altitude[m]	4000 (>3000 Power Derating)			
Noise[dBA]	<60			
Ingress Protection	IP66			
Mounting	Wall Mounting			
Dimensions[H*W*D][mm]	660*1045*364			
Weight[kg]	93			98
Warranty/Year	5 (Standard)/10/15/20/25 (Optional)			
Certifications	EN 50549, IEC/EN62109-1/2, EN61000-6-1/2/3/4, ABNT NBR 16149:2013, ABNT NBR 16150:2013, ABNT NBR IEC 62116: 2012, CEI 0-21			