

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
- AFCI protection
- IP68 rated intelligent cooling fan
- IP66 & C5 Protection

COST SAVINGS

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

ULTRA-HIGH ENERGY YIELD

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

SMART AND USER-FRIENDLY

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

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			
MPPT Voltage Range[V]	180~1000			
Nominal Input Voltage[V]	600			
Start-up Voltage[V]	200			
Min. Input Voltage[V]	180			
Max. Input Current[A]	6*30	9*30	12*30	
Max. DC Short Circuit Current [A]	6*45	9*45	12*45	
No. of strings per MPPT	2			
No. of MPPT	6	9	12	
DC Switch	Integrated			
Output (AC)				
Rated AC Output Power[kW]	75	100	110	125
Rated Apparent Power[kW]	82.5	110	121	125
Max. AC Apparent Power[kVA]	82.5	110	121	125
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%			
Power Factor [cos φ]	0.8 leading~0.8 lagging			
Efficiency				
Max. Efficiency	98.8%			
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 Current Protection	Integrated			
AC Overvoltage Protection	Integrated			
AFCI Protection	Optional			
PID Recovery	Optional			
Interface				
AC Connection	OT/DT Terminal (Max. 240 mm ²)			
DC Connection	MC4			
Display	LED+APP (Bluetooth)			
Communication Port	RS232+RS485			
Communication	Wi-Fi/Ethernet/4G/PLC (Optional)			
General Data				
Topology	Transformerless			
Consumption at Night [W]	<2			
Operating Temperature Range	-40°C~+60°C			
Cooling Method	Intelligent Fan Cooling			
Ambient Humidity	0%~100% Non-condensing			
Altitude	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]	5/10/15/20/25			
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			