

# C6

## Series String Inverter



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

### SAFE AND RELIABLE

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

### ULTRA-HIGH ENERGY YIELD

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

### COST SAVINGS

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

### SMART AND USER-FRIENDLY

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

# Datasheet

Model	C6-75K-T6	C6-100K-T9	C6-125K-T12
<b>Input (DC)</b>			
Max. PV Array Power[kWp]@STC	112.5	150	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	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		
<b>Output (AC)</b>			
Rated AC Output Power[kW]	75	100	125
Max. AC Output Power[kW]	82.5	110	125
Max. AC Apparent Power[kVA]	82.5	110	125
Rated AC Output Current[A]	108.3	144.3	180.4
Max. AC Output Current[A]	119.1	158.8	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		
Feed-in phases/AC connection phases	3/3		
<b>Efficiency</b>			
Max. Efficiency	98.8%		
Euro. Efficiency	98.5%		
<b>Protection</b>			
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		
<b>Interface</b>			
AC Connection	OT/DT Terminal (Max. 240 mm <sup>2</sup> )		
DC Connection	MC4		
Display	LED+APP (Bluetooth)		
Communication Port	RS232+RS485		
Communication Mode	Wi-Fi/Ethernet/4G/PLC (Optional)		
<b>General Data</b>			
Topology	Transformerless		
Nighttime Power Consumption[W]	<2		
Operating Temperature Range	-30°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]	1045*660*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		