

# C6 SERIES STRING INVERTER



C6-75K-T6-40 | C6-99K-T9-40  
C6-100K-T9-40 | C6-110K-T12-40  
C6-125K-T12-40

## SAFE AND RELIABLE

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

## SMART AND USER-FRIENDLY

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

## ULTRA-HIGH ENERGY YIELD

- String current up to 20A
- Max. efficiency 99%
- PID recovery function
- Max. 12 MPP trackers



MODEL	C6-75K-T6-40	C6-99K-T9-40	C6-100K-T9-40	C6-110K-T12-40	C6-125K-T12-40
<b>DC Input</b>					
Max. PV Array Power [KWp]@STC	144	198	200	220	250
Max. DC Voltage [V]			1100 <sup>*1</sup>		
MPPT Voltage Range [V]			180 ~ 1000 <sup>*2</sup>		
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		
DC Overvoltage Category			II		
<b>AC Output</b>					
Rated AC Power [kW]	75	99.999	100	110	125
Rated Apparent Power [kVA]	75	99.999	100	110	125
Max. Apparent Power [kVA]	75	99.999	100	110	125
Rated Output Current [A]@230Vac	108.3	144.3	144.3	158.8	180.4
Max. Output Current [A]	108.3	144.3	144.3	158.8	180.4
Current Inrush[A]	320	320	320	360	360
Max. AC Fault Current [A]	280	280	280	320	320
Max. AC Over Current to Utility Grid [A]	280	280	280	320	320
Backfeed Current[A]			0		
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%		
Feed-in Phase/AC Connection Phases			3/3		
AC Overvoltage Category			III		
<b>Efficiency</b>					
Max. Efficiency			98.8%		
Euro Efficiency			98.5%		
<b>Protection</b>					
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		
<b>Interface</b>					
DC Connection			MC4/H4		
AC Connection			OT/DT Terminal (Max.240mm <sup>2</sup> )		
Display			LED+APP		
Communication Port			RS232 (USB)+RS485 (RJ45)+DRM		
Communication			Wi-Fi/Ethernet/4G/PLC (Optional)		
<b>General Parameters</b>					
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]			702*1045*361		
Weight [kg]		93			98
Warranty [Year]			5/10/15/20 (Optional)		
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		

Note: <sup>\*1</sup> Make sure the maximum input voltage of each string does not exceed 1100V.

<sup>\*2</sup> When the input voltage varies within the range of 1000V to 1100V, the inverter will enter standby mode. When the input voltage decreases to a value within the MPPT operating voltage range of 180V to 1000V, the inverter will enter normal mode