

C6 SERIES STRING INVERTER



C6-75K-T6-40 | 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 & C5 Protection

SMART AND USER-FRIENDLY

- 24/7 load monitoring
- Easy upgrade

ULTRA-HIGH ENERGY YIELD

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



MODEL	C6-75K-T6-40	C6-100K-T9-40	C6-110K-T12-40	C6-125K-T12-40
DC Input				
Max. PV Array Power [KWp]@STC	144	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	12*40	
Max. DC Short Circuit Current [A]	6*50	9*50	12*50	
No. of Strings per MPPT	2			
No. of MPPT	6	9	12	
DC Switch	Integrated			
AC Output				
Rated AC Power [kW]	75	100	110	125
Max. Apparent Power**[kVA]	82.5	110	121	125
Rated Output Current [A]@230Vac	108.3	144.3	158.8	180.4
Max. Output Current [A]	119.1	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	TypeII			
AC Surge Protection	TypeII			
Anti-islanding Protection	Integrated			
AFCI Protection	Integrated			
Interface				
DC Connection	MC4/H4			
AC Connection	OT/DT Terminal(Max.240mm ²)			
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: **According to C10/C11, Max. Apparent Power= Rated AC Power.