

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 | | | 12 |
| 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 | Typell | | | |
| AC Surge Protection | Typell | | | |
| Anti-islanding Protection | Integrated | | | |
| AFCI Protection | Optional | | | |
| 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.