

R6 SERIES


THREE PHASE




R6-15K-T2-32 | R6-17K-T2-32 | R6-20K-T2-32
R6-22K-T2-32 | R6-25K-T2-32


AFCI AFCI
(Optional)

16A String current
up to 16A

 Max. Efficiency 98.8%

 Built-in
AC & DC SPD

110% 110% AC
overloading

 24/7 load
monitoring (Optional)

| Model | R6-15K-T2-32 | R6-17K-T2-32 | R6-20K-T2-32 | R6-22K-T2-32 | R6-25K-T2-32 |
|---------------------------------------|--|--------------|--------------|--------------|--------------|
| Input (DC) | | | | | |
| Max. PV Array Power [Wp]@STC | 22500 | 25500 | 30000 | 33000 | 37500 |
| Max. Input Voltage [V] | 1100 | | | | |
| MPPT Voltage Range [V] | 180~1000 | | | | |
| Nominal Input Voltage [V] | 600 | | | | |
| Start-up Voltage [V] | 200 | | | | |
| Max. Input Current [A] | 32/32 | | | | |
| Max. DC Short Circuit Current [A] | 38.4/38.4 | | | | |
| No. of Strings per MPPT | 2/2 | | | | |
| No. of MPPT | 2 | | | | |
| Output (AC) | | | | | |
| Rated AC Output Power [W] | 15000 | 17000 | 20000 | 22000 | 25000 |
| Rated Apparent Power [VA] | 16500 | 18700 | 22000 | 24200 | 27500 |
| Rated AC Output Current [A]@230Vac | 21.7 | 24.6 | 29 | 31.9 | 36.2 |
| Max. AC Output Current [A] | 25 | 28.3 | 33.3 | 36.7 | 41.7 |
| Nominal AC Voltage/ Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180-280/312-485 | | | | |
| 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 | | | | | |
| DCI Monitoring | Integrated | | | | |
| GFCI Monitoring | Integrated | | | | |
| Grid Monitoring | Integrated | | | | |
| AC Grounding Detection | Integrated | | | | |
| AC Short Circuit Current Protection | Integrated | | | | |
| DC Insulation Resistance Detection | Integrated | | | | |
| DC Surge Protection | Type III | | | | |
| AC Surge Protection | Type III | | | | |
| Anti-islanding Protection | AFD | | | | |
| AFCI Protection | Optional | | | | |
| Interface | | | | | |
| AC Connection | Terminal Block | | | | |
| DC Connection | MC4 | | | | |
| Display | LED+APP (Bluetooth) | | | | |
| Communication Port | RS232+RS485 (RJ45)+DRM(RJ45) | | | | |
| Communication | Wi-Fi/Ethernet/4G | | | | |
| Load Monitoring | 24/7 (Optional) | | | | |
| General Data | | | | | |
| Topology | Transformerless | | | | |
| Consumption at Night [W] | <0.6 | | | | |
| Operating Temperature Range | -40°C~+60°C | | | | |
| Cooling Method | Intelligent Fan Cooling | | | | |
| Ambient Humidity | 0%~100% Non-condensing | | | | |
| Altitude | 4000m (>3000m Power Derating) | | | | |
| Noise [dBA] | <50 | | | | |
| Ingress Protection | IP65 | | | | |
| Mounting | Rear Panel | | | | |
| Dimensions [H*W*D] [mm] | 409*558*234 | | | | |
| Weight [kg] | 23.7 | | | | |
| Warranty [Year] | 5/10/15/20/25 | | | | |
| Certifications | IEC/EN62109-1/2, EN61000-6-1/2/3/4, IEC61683, IEC60068-2, IEC62116, IEC61727, PEA/MEA,VDE0126-1-1/A1, CEI 0-21, VDE-AR-N 4105, AS/NZS4777.2, CQC NB/T 32004, G98/G99, NBR 16149, NBR 16150, C10/11,RD1669,UNE206006, UNE206007,EN50438 | | | | |