

# 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
<b>Input (DC)</b>					
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				
<b>Output (AC)</b>					
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 [THD]	<3%				
Power Factor [cos φ]	0.8 leading~0.8 lagging				
<b>Efficiency</b>					
Max. Efficiency	98.8%				
Euro Efficiency	98.5%				
<b>Protection</b>					
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				
<b>Interface</b>					
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)				
<b>General Data</b>					
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				



# R6 SERIES

## THREE PHASE



R6-25K-T3-32 | R6-30K-T3-32 | R6-33K-T3-32  
R6-36K-T3-32 | R6-40K-T4-32 | R6-50K-T4-32


**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	R6-25K-T3-32	R6-30K-T3-32	R6-33K-T3-32	R6-36K-T3-32	R6-40K-T4-32	R6-50K-T4-32
<b>Input (DC)</b>						
Max. PV Array Power [Wp]@STC	37500	45000	49500	54000	60000	75000
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]	32/32/32			32/32/32/32		
Max. DC Short Circuit Current [A]	38.4/38.4/38.4			38.4/38.4/38.4/38.4		
No. of Strings per MPPT	2/2/2			2/2/2/2		
No. of MPPT	3			4		
<b>Output (AC)</b>						
Rated AC Output Power [W]	25000	30000	33000	36000	40000	50000
Rated Apparent Power [VA]	27500	33000	36300	39600	44000	50000
Rated AC Output Current [A]@230Vac	36.3	43.5	47.8	52.2	58	72.5
Max. AC Output Current [A]	41.7	50	55	60	66.7	75.8
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					
<b>Efficiency</b>						
Max. Efficiency	98.8%					
Euro Efficiency	98.5%					
<b>Protection</b>						
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 II					
AC Surge Protection	Type III					
Anti-islanding Protection	AFD					
AFCI Protection	Optional					
<b>Interface</b>						
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)					
<b>General Data</b>						
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]	473*659.4*240					
Weight [kg]	35.5			37		37.5
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					