SINGLE PHASE OFF-GRID INVERTER

TKF-6.5K48-EU



- Built-in 120A Solar Charger
- Wide PV Input Voltage Range 60-500V
- 27A MAX PV Input
- Dual AC Output
- 5 Inch Display
- Support Lithium/Lead-acid Battery
- Lithium Battery Activation
- Detachable Dust Cover
- WiFi Monitoring(optional)

APPLICATION



Island



Construction/housing



Factory/Meeting Center



Agriculture/animal husbandry

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Function Parameter

MODEL	TKF-6.5K48-EU
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	6
Surge Power (kVA)	12
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	Previous continuous load < 2.5kW:15min@102%~108% load; 1min@108%~120% load; 10s@ > 120% load Or 1min@102%~120% load; 10s@ > 120% load
Max. Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input current / power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60-450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery Mode	
Normal Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / CAN / RS232
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ℃ - 60 ℃
Relative Humidity	5% - 95% (Non-condensing)
Storage Temperature	-15 ℃ - 60 ℃
Net Weight (kg)	8.4
Dimensions (H*W*D)	410*336*110mm
Max. Operating Altitude	4000m (Derating above 1000m)