

New From Upsolar

Three Phase String Inverter
UP3-Mega
50K / 60K

**Large-scale Industrial and
Commercial Sites**



Superior
Efficiency



High
Reliability



Intelligent
Maintenance



Excellent Grid
Compatibility

Feature

Superior Efficiency

- Max efficiency 98.3%, European efficiency 98.0%
- 4 independent MPPTs
- ECO Invention patent technology

High Reliability

- Top-ranking high quality components
- Integrated type II DC & AC surge arresters

Intelligent Maintenance

- Intelligent monitoring via APP & Web
- Multiple-string monitoring for easy trouble shooting (Optional)

Excellent Grid Compatibility

- Advanced grid impedance algorithm for large-scale power stations
- Active power/reactive power control option (Remotely)



UP3-50K-TL

UP3-60K-TL

INPUT (DC)

Max. Input Voltage [V]	1100	
Rated Input Voltage [V]	620	
Max. Input Current [A]	110(33/33/22/22)	132(33/33/33/33)
Start Input Voltage/ Min. Operating Voltage [V]	250/200	
MPPT Operating Voltage Range [V]	200-960	
MPPT Operating Voltage Range (Full-Load) [V]	540-850	
Max. Number of PV Strings	10(3/3/2/2)	12(3/3/3/3)
No. of MPPTs	4	

OUTPUT(AC)

Rated AC Active Power [W]	50,000	60,000
Max. AC Apparent Power [VA]	55,000	66,000
Max. AC Active Power (PF=1) [W]	55,000	66,000
Max. AC Output Current [A]	3*83	3*92
Rated AC Voltage [V]	380/400, 3W+N+PE	
AC Voltage Range [V]	277-520(Adjustable)	
Rated Grid Frequency [Hz]	50/60	
Grid Frequency Range [Hz]	45-55/55-65	
THDI [%]	<3 (Rated Power)	
DC Current Injection [%]	<0.5In	
Power Factor	0.8 Leading - 0.8Lagging	

Protection

DC switch	Support
Anti-islanding protection	Support
AC overcurrent protection	Support
AC short circuit protection	Support
DC reverse connection	Support
Surge Arrester	DC Type II /AC Type II
Insulation detection	Support
Leakage current protection	Support

Efficiency

Max. Efficiency [%]	98.30%
European Efficiency [%]	98.00%

General

Topology	Transformerless
IP Rating	IP65
Night Self Consumption [W]	<1
Cooling	Fan cooling
Operating Temperature Range [°C]	-25-60
Relative Humidity Range [%]	0-100
Max. Operating Altitude [m]	4000(>2000 derating)
Noise [dB]	<62
Dimensions (W*H*D) [mm]	855*555*275
Weight [kg]	6567

HMI & COM

Display	Wireless & APP +LED / LCD(optional)
Communication	WiFi(optional) / RS485 / GPRS(optional)

Certification

Safety	IEC62109-1 / IEC62109-2
EMC(Optional)	EN 61000-6-2 / EN 61000-6-4
Grid Code	IEC61727 / IEC62116

Warranty [year]

5 / 10(optional)