New From Upsolar

Three Phase String Inverter
UP3-Max
20K / 25K / 30K

For Small-sized Industrial and Residential Use

Superior Efficiency

High Reliability

Intelligent Maintenance

Feature

Superior Efficiency
- Max efficiency 98.2%, European efficiency 97.7%
- Ultra-wide voltage range (180V-950V)
- ECO Invention patent technology

High Reliability
- Integrated type II DC & AC surge arresters

Intelligent Maintenance
- Intelligent monitoring via APP & Web
- Multiple remote monitoring for convenient operation and maintenance

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Upsolar

UP3-Max (THREE PHASE)

	UP3-20K-TL	UP3-25K-TL	UP3-30K-TL
INPUT (DC)			
Max. Input Voltage [V]	1000	1000	1000
Rated Input Voltage [V]	620	620	620
Max. Input Current [A]	2*25	2*37.5	2*37.5
Start Input Voltage/ Min. Operating Voltage [V]	250/180	250/180	250/180
MPPT Operating Voltage Range [V]	180-960	180-960	180-960
MPPT Operating Voltage Range (Full-Load) [V]	480-800	480-800	480-800
Max. Number of PV Strings	4(2/2)	6(3/3)	6(3/3)
No. of MPPTs	2	2	2
OUTPUT(AC)			
Rated AC Active Power [W]	20,000	25,000	30,000
Max. AC Apparent Power [VA]	22,000	27,500	33,000
Max. AC Active Power (PF=1) [W]	22,000	27,500	33,000
Max. AC Output Current [A]	3*33.5	3*40	3*48
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 [%]		<0.5 In	
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 [%]	98.20	98.20	98.20
European Efficiency [%]	97.70	97.70	97.70
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption [W]		<1	
Cooling	Natural cooling	Fan cooling	Fan cooling
Operating Temperature Range [°C]		-25-60	
Relative Humidity Range [%]		0-100	
Max. Operating Altitude [m]		4000(>2000 derating)	
Noise [dB]	<30	<50	<50
Dimensions (W*H*D) [mm]		555*446*270	
Weight [kg]	37	40	40
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 61000-6-3 / EN 61000-6-4	
Grid Code		IEC61727 / IEC62116	
Warranty [year]		5 / 10(Optional)	

Can be modified without notice.(V2)