

Three phase  
Dual MPPT inverters  
**UP3-Plus**



Simple.  
Reliable.  
Efficient



Wide Product  
Range



High  
Efficiency



IP65  
Rated



Remote  
Monitoring

8kW

10kW

12kW

15kW

**UP3-8.0P / UP3-10.0P / UP3-12.0P / UP3-15.0P**

Upsolar have developed a range of three phase inverters unrivalled in the industry for their quality, reliability and efficiency. The Upsolar three phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and have a maximum input voltage of 800V, with a maximum efficiency of 98.5%. In addition, Upsolar three phase inverters are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. Monitoring Platform: Upsolar Portal.



	UP3-8.0P	UP3-10.0P	UP3-12.0P	UP3-15.0P
<b>INPUT (DC)</b>				
Max.PV array power [Wp]	12000	15000	18000	22500
Max.DC voltage [V]	1000	1000	1000	1000
Nominal DC operating voltage [V]	600	600	600	600
Max. input current [A]	12/24	12/24	12/24	12/24
Max. short circuit current [A]	14/28	14/28	14/28	14/28
MPPT voltage range[V]	160-850	160-850	160-850	160-850
Start operating voltage[V]	180	180	180	180
No. of MPPT trackers/Strings per MPPT tracker	2(1/2)	2(1/2)	2(1/2)	2(1/2)
<b>OUTPUT AC</b>				
Nominal AC power [VA]	8000	10000	12000	15000
Max. AC power [VA]	8800	11000	13200	16500
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 230/400(310-480)			
Nominal grid frequency/range [Hz]	50/60;±5			
Nominal AC current [A]	11.6	14.5	17.4	21.7
Max. AC current [A]	12.8	15.9	19.1	23.9
Displacement power factor	0.8leading-0.8lagging			
THDi, rated power [%]	<3			
<b>EFFICIENCY</b>				
MPPT efficiency [%]	99.9			
Euro efficiency [%]	97.8			
Max. efficiency [%]	98.3			
<b>POWER CONSUMPTION</b>				
Standby consumption (Night) [W]	<3			
<b>STANDARD</b>				
Over voltage protection	YES			
Over current protection	YES			
DC isolation impedance monitoring	YES			
Ground fault current monitoring	YES			
DC injection monitoring	YES			
RCD protection	YES			
Safety	EN62109-1/-2			
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3; EN61000-3-12; EN61000-3-11			
Certification	VDE4105; AS4777; EN50549; IEC61727			
<b>ENVIRONMENT LIMIT</b>				
Degree of protection(according to IEC60529)	IP65			
Operating temperature range [°C]	-25~+60(derating at 45)			
Max. operation altitude [m]	<2000			
Humidity [%]	0~100 (condensing)			
Storage temperature [°C]	-25~60			
Typical noise emission [dB]	<45			
<b>DIMENSION AND WEIGHT</b>				
Dimensions(WxHxD) [mm]	534*419*179			
Weight[kg]	32			
Cooling concept	Forced airflow			
Topology	Non-isolated			
Communication interfaces	RS485/DRM/Pocket WiFi(optional)/Pocket LAN (optional)/Pocket GPRS (optional)/Meter (optional)/USB-upgrade			
LCD display	Backlight 16*4 character			
Standard warranty [years]	5/10(optional)			