

Three Phase
String Inverter
UP3-Mini



Small Inverter
Big Performance



Wide Product
Range



High
Efficiency



IP65
Rated



Remote
Monitoring

4kW

10kW

UP3-4.0-T.....UP3-10.0-T / UP3-4.0-S / UP3-5.0-S

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.



UP3-4.0-T UP3-5.0-T UP3-6.0-T UP3-7.0-T UP3-8.0-T UP3-9.0-T UP3-10.0-T UP3-4.0-S UP3-5.0-S

INPUT (DC)

Max.PV array power [Wp]	6000	7500	9000	10500	12000	13500	15000	6000	7500
Max.DC voltage [V]	800	800	800	1000	1000	1000	1000	1000	1000
Nominal DC operating voltage [V]	600	600	600	600	600	600	600	600	600
Max. input current [A]	12/12	12/12	12/12	12/12	12/12	12/12	12/12	12	12
Max. short circuit current [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	14	14
MPPT voltage range[V]	160-750	160-750	160-750	160-900	160-900	160-900	160-900	160-900	160-900
Start operating voltage[V]	180	180	180	180	180	180	180	180	180
No. of MPPT trackers	2	2	2	2	2(1/1)	2(1/1)	2(1/1)	1	1
Strings per MPPT tracker	1/1	1/1	1/1	1/1					

OUTPUT AC

Nominal AC power [VA]	4000	5000	6000	7000	8000	9000	10000	4000	5000
Max. AC power [VA]	4400	5500	6600	7700	8800	9900	11000	4400	5500
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 3/PE, 230/400(310-480)								
Nominal grid frequency/range [Hz]	50/60;±5								
Nominal AC current [A]	5.8	7.2	8.7	10.1	11.6	13.0	14.5	5.8	7.2
Max. AC current [A]	6.4	8.0	9.6	11.2	12.8	14.3	15.9	6.4	8.0
Displacement power factor	0.8leading-0.8lagging								
THDi, rated power [%]	<2								

EFFICIENCY

MPPT efficiency [%]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Euro efficiency [%]	97.8	97.8	97.8	98	98	98	98	97.8	97.8
Max. efficiency [%]	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.3	98.3

POWER CONSUMPTION

Standby consumption (Night) [W]	<3								
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STANDARD

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;EN61000-3-2;EN61000-3-3								
Certification	AS4777; VDE4105; G98; G99; EN50549; CEI0-21								

ENVIRONMENT LIMIT

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]	<35								

DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	534*419*201								
Weight[kg]	30	30	30	30	30	30	30	28	28
Cooling concept	Natural								
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								