

NEW FROM Upsolar

UP3-Force



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80kW/100kW/110kW
120kW/136kW/150kW

Features

More energy harvest

- Maximum efficiency 99%
- 180~1000Vdc MPPT voltage range
- Maximum 12 MPPTs, 2 strings per MPP tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current, 16A per string

Safety & Reliability

- IP66 protection level
- AFCI protection (optional)
- AC terminal temperature detection
- Both AC & DC SPDs(Type II) inside, TYPE I SPD is optional

Intelligence for easy maintenance and economy

- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- Smart I-V Curve Diagnosis supported
- SVG functional supported(optional)
- Aluminium AC cable connection available
- Power line communication(PLC)(optional)
- Fuse free design with smart string current monitoring
- Smart air cooling technique result in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 5% lighter and smaller

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For More Informations Contact Us

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	UP3-80K-9X	UP3-100K-9X	UP3-110K-9X	UP3-120K-12X	UP3-136K-MV-12X	UP3-150K-MV-12X
	UP3-80K-9L	UP3-100K-9L	UP3-110K-9L	UP3-120K-12L	UP3-136K-MV-12L	UP3-150K-MV-12L

DC INPUT						
Max. PV array input power [kWp]	120	150	165	180	204	225
Max. PV input voltage [V]	1100	1100	1100	1100	1100	1100
Startup voltage [V]	200	200	200	200	200	200
Nominal input voltage [V]	580/600	580/600	580/600	580/600	730/785	730/785
MPP tracker voltage range [V]	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000
No. of MPP trackers	9	9	9	12	12	12
Strings per MPP tracker	2	2	2	2	2	2
Max. input current per MPPT[A]	32	32	32	32	32	32
Max. short circuit current per MPPT[A]	46	46	46	46	46	46

AC OUTPUT						
Nominal AC output power [kW]	80	100	110	120	136	150
Nominal AC output current [A]	121.3/116	151.6/145	166.7/159.5	181.9/174	157.1/145.4	173.2/160.4
Max. AC output apparent power [kVA]	88	110	121	132	149.6	165
Max. AC output current [A]	133.4/127.6	166.7/159.5	183.4/175.4	200/191.3	172.8/160	190.6/176.5
Nominal AC voltage[V]	3 x 220 /380 , 3 x 230/400, 3W+(N)+PE			500/540,3P3W+PE		500/540,3P3W+PE
Nominal grid frequency [Hz]	50 (±5)					
Displacement power factor	0.8 leading-0.8 lagging					
THDi (rated power) [%]	<3					

SYSTEM DATA						
MPPT efficiency [%]	99.9					
Max. efficiency [%]	98.6	98.6	98.6	98.6	99.0	99.0
Ingress protection	IP66					
Operating temperature range [°C]	-25~+60 (derating at 45)					
Max. operation altitude [m]	4000(Derating above 3000)					
Humidity [%]	0~100					
Dimensions[WxHxD] [mm]	985*660*327.5					
Weight [kg]	77	77	77	83.3	83.3	83.3
Cooling concept	Smart fan cooling					
Communication interfaces	RS485 / Pocket Wi-Fi/ Pocket 4G(Optional) / Bluetooth/ USB					

PROTECTION						
Over/under voltage protection	YES					
DC isolation protection	YES					
Grid monitoring	YES					
DC injection monitoring	YES					
Residual current detection	YES					
Anti-islanding protection	YES					
String fault detection	YES					
SPD	Type II					
ARC	OPT					

STANDARD						
Safety	IEC/EN 62109-1/-2, NB/T 32004-2018 (China)					
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-4, NB/T 32004-2018 (China)					
Certification	NB/T 32004-2018 (China), EN 50549, AS4777, VDE4105, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50530					

*Can be modified without notice.(V2.2)