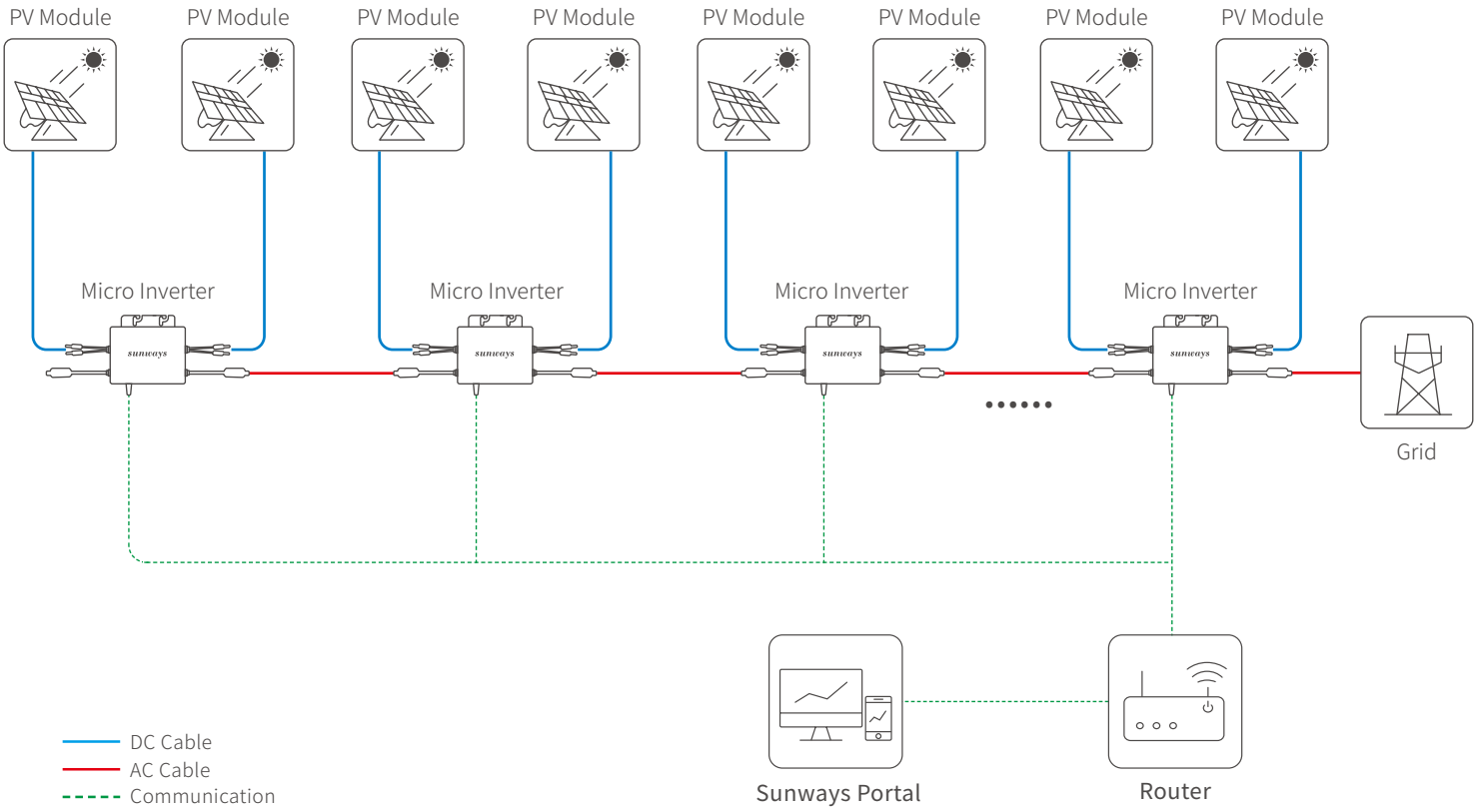
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STM-600~2400W

- MAX 96.7% efficiency
- IP67 protection
- Safer for solar stations
- Faster installation
- Output power up to 2400VA
- Independent MPPT and easier maintenance





TECHNICAL PARAMETERS

SINGLE PHASE:STM-600~2400W

Model	STM-600W			STM-1200W			STM-2400W		
PV INPUT DATA									
PV module power per MPPT[W]	350-600			350-600			350-600		
Max.input voltage[V]	60								
Start up voltage[V]	16								
MPPT voltage range[V]	20-50								
Max. input current[A]	16			16/16			16/16/16/16		
Max. short current[A]	20			20/20			20/20/20/20		
Number of MPP trackers	1			2			4		
Number of DC inputs per MPPT	1			1			1		
AC OUTPUT DATA									
Rated AC power[W]	max 550			max 1100			max 2200		
Rated grid voltage(AC voltage range)[V]	220/230/240								
Rated grid frequency[Hz]	50/60								
Rated grid voltage [V]	220	230	240	220	230	240	220	230	240
Max.AC output current[A]	2.73	2.61	2.50	5.45	5.22	5.00	10.91	10.43	10.00
Power factor	>0.99								
Total harmonic distortion(THDi, rated power)	<3%								
Grid connection	L/N/PE								
EFFICIENCY									
MPPT efficiency[%]	>99.9%								
Max. efficiency[%]	96.70%			96.70%			96.70%		
PROTECTION									
Anti-islanding protection	Integrated								
PV string input reverse polarity protection	Integrated								
Output over current protection	Integrated								
Output short protection	Integrated								
Over voltage protection	DC:II / AC:III								
GENERAL DATA									
Noise emmison[dB]	20								
User interface	LED								
DC connection type	MC4								
AC connection type	Plug-in connector								
Communication	Wi-Fi								
Cooling method	Natural								
Operating ambient temperature range[°C]	-40°C --+65°C								
Allowable relative humidity range[%]	0-100								
Max. operating altitude[m]	3000 (>3000 derating)								
Degree of protection	IP67								
CLIMATIC CATEGORY (IEC 60721-3-4)	4K4H								
TOPOLOGY	High frequency isolated								
POWER CONSUMPTION AT NIGHT [W]	< 50mW								
STANDARD									
Safety	IEC62109-1/IEC62109-2 / IEC61727								
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3								
Cetification	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, UNE 206006 IN								

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