

Model Project	X3-75	X3-80	X3-100	X3-110
Input (DC)				
Max. DC power	75kW	120kW	150kW	165kW
Max. DC voltage	1100V			
Rated DC voltage	600V	600V	600V	600V
Start input voltage	200V	200V	200V	200V
MPP voltage range	180V~1000V	180V~1000V	180V~1000V	180V~1000V
Full load MPP voltage range	500V~800V	500V~800V	500V~800V	500V~800V
Max. DC current	13*2A	13*2A	13*2A	13*2A
Isc PV	23*2A	23*2A	23*2A	23*2A
No. of MPP trackers	9	9	9	9
Strings of MPP tracker	18	18	18	18
Output (AC)				
Rated AC power	75kW	80kW	100kW	110kW
Rated AC current	113.7A/108.7A	121.3A/116A	151.6A/145A	166.7A/159.5A
Max. active power	75kW	88kW	110kW	121kW
Max. apparent AC power	75kVA	88kVA	110kVA	121kVA
Max. AC current	113.7A/108.7A	133.4A/127.6A	166.7A/159.5A	183.4A/175.4A
Nominal AC voltage	3 × 230 V/400 V; 3W+(N)+PE			
Grid voltage range	176 - 276 / 304 - 480 *			
Nominal AC frequency	50Hz/60Hz			
Frequency range of power grid	50 (±5)Hz/60 (±5)Hz			
Total harmonic distortion	<3% (Rated power)			
DC component of AC current	<0.5%I _n			
Power factor	>0.99 (Rated power)			
Power factor range	0.8 leading-0.8 lagging			
Efficiency				
Max. efficiency	98.6%	98.6%	98.6%	98.6%
Efficiency of China	98.1%	98.1%	98.1%	98.1%
Protection				
DC Switch	Yes			
DC isolation protection	Yes			
Monitoring ground fault	Yes			
Grid protection	Yes			
Over current protection	Yes			
Over load protection	Yes			
Anti-Islanding protection	Yes			
DC Surge protection	Type II			
AC Surge protection	Type II			
Residual current detection	Yes			
DC injection monitoring	Yes			
Over heat protection	Yes			
General performance				
Self-consumption(night)	<10W			
Isolation type	Non-isolated			
Protective Class	IP66			
Operating temperature range	-25°C~+60°C (derating at +45°C)			
Operation relative humidity	0~100%RH			
Cooling	Forced air cooling			
Max. operation altitude	4000m(Derating above 3000m)			
Dimension [W/H/D]	985mm x 660mm x 327.5mm			
Weight	83kg	83kg	83kg	83kg
Display & Communication				
Display	LED indicator × 4、LCD(Optional)			
Communication interfaces	USB/ RS485/ Pocket Wi-Fi/ Pocket 4G(Optional)			
Standard				
Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004			

EMC	IEC/EN 61000; NB/T 32004
Cetification	NB/T 32004;IEC 61727;IEC 62116;VDE4110;VDE4105;EN50549;NRS097;G99;RD1699;PPDS2020;CEI0-21;CEI0-16;VFR

Note: AC voltage and frequency ranges may vary depending on the specific state grid.