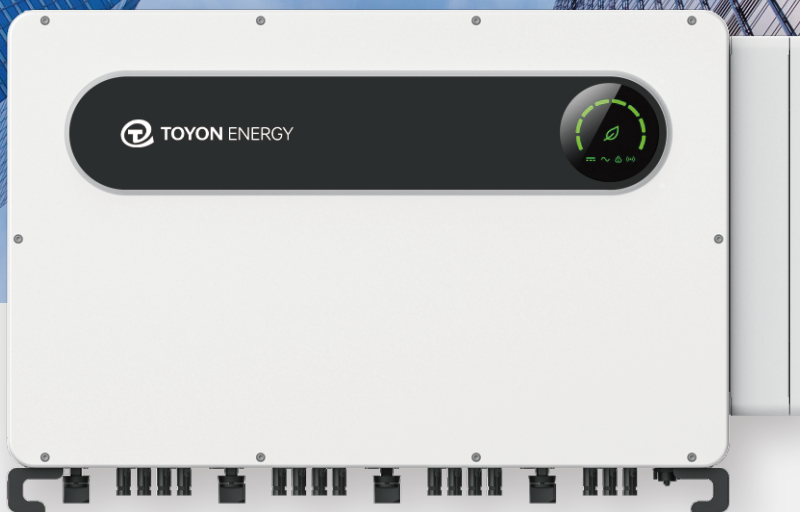
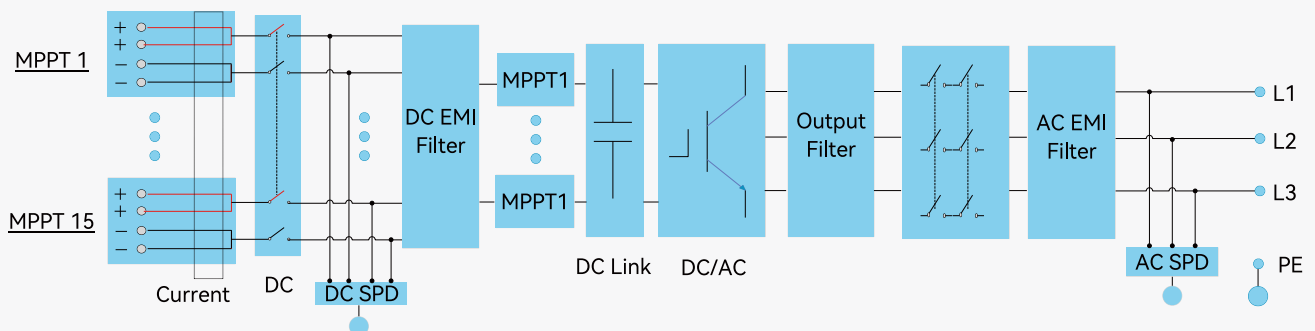


MAX 185~253KTL3-X HV

- Up to 15 MPPTs, fuse free design
- MAX efficiency 99%, high yield
- Smart I/V scan and diagnosis
- Intelligent string monitoring
- DC side 2 in 1 connection enabled
- Optional Anti-PID/Night SVG/AFCI function



Topology Diagram



Datasheet	MAX 185KTL3-X HV		MAX 216KTL3-X HV	MAX 250KTL3-X HV	MAX 253KTL3-X HV
Input data (DC)					
Max. DC voltage			1500V		
Start voltage			500V		
Nominal voltage			1080V		
MPP voltage range			500V-1500V		
No. of MPP trackers	9	9	12	15	
No. of PV strings per MPP tracker			2		
Max. input current per MPP tracker			30A		
Max. short-circuit current per MPP tracker			50A		
Output data (AC)					
AC nominal power	185KW	216KW	250KW	253KW	
Max. AC apparent power	185KVA@30°C 175KVA@40°C 160KVA@50°C	216KVA@30°C 200KVA@40°C 192KVA@50°C	250KVA@30°C 230KVA@45°C 220KVA@50°C	253KVA@30°C 230KVA@45°C 220KVA@50°C	
Nominal AC voltage (range*)	800V (640-920V)				
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)				
Max. output current	133.5A	155.9A	180.4A	182.6A	
Adjustable power factor	0.8leading ...0.8lagging				
THDi	<3%				
AC grid connection type	3W+PE				
Efficiency					
Max. efficiency			99.0%		
European efficiency			98.5%		
MPPT efficiency			99.9%		
Protection devices					
DC reverse polarity protection			Yes		
DC switch			Yes		
AC/DC surge protection			Type II / Type II		
Insulation resistance monitoring			Yes		
AC short-circuit protection			Yes		
Ground fault monitoring			Yes		
Grid monitoring			Yes		
Anti-islanding protection			Yes		
Residual-current monitoring unit			Yes		
String monitoring			Yes		
AFCI protection			Optional		
Anti-PID function			Optional		
LVRT			Yes		
HVRT			Yes		
Night SVG			Optional		
General data					
Dimensions (W / H / D)			1070/675/340mm		
Weight	95kg	95kg	99kg	109kg	
Operating temperature range			-30°C ... +60°C		
Nighttime power consumption			<1W		
Topology			Transformerless		
Cooling			Smart air cooling		
Protection degree			IP66		
Relative humidity			0-100%		
Altitude			4000m		
DC connection			H4/MC4(Optional)		
AC connection			OT Terminal connectors (Max. 300mm²)		
Display			LED/WIFI+APP		
Interfaces: RS485/USB / PLC/4G/GPRS			Yes/Yes/Optional/Optional/Optional		
Warranty: 5 years / 10 years			Yes /Optional		
CE, IEC 62116, 61727, IEC 60068, 61683, CEA 2019, EN 50549-2, NC RFG, CEI 0-16					

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.

