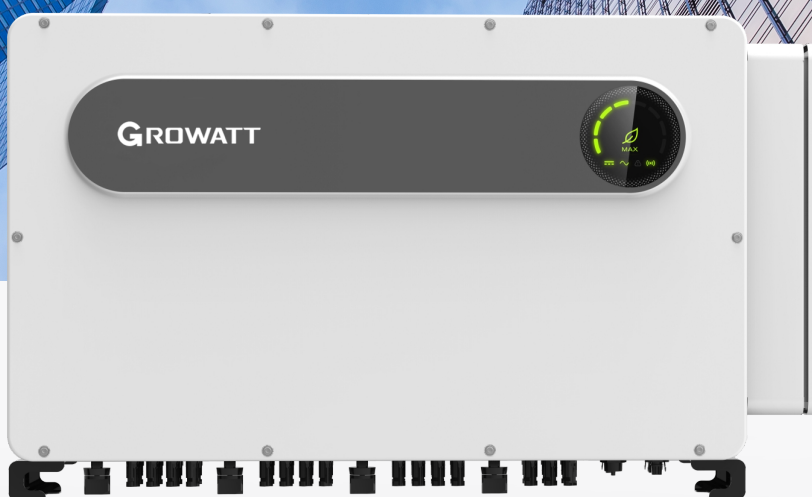
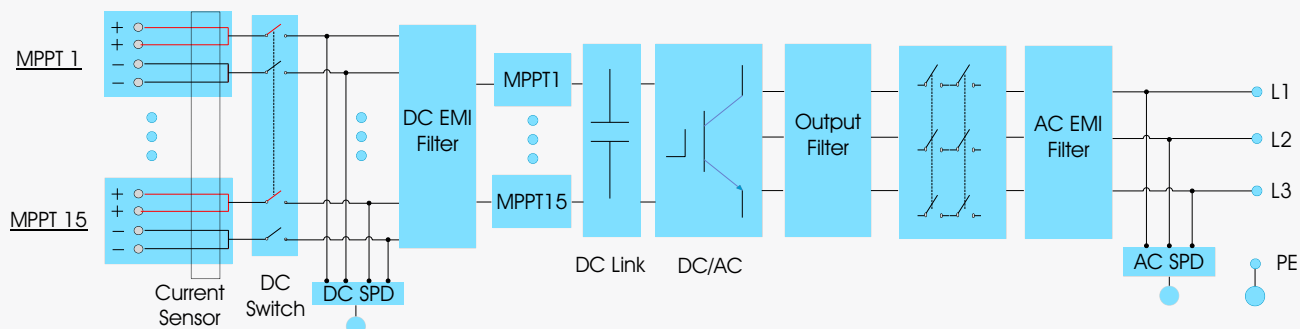


MAX 185~253KTL3-X HV

- 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
- Data storage up to 25 years



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	98.7%		98.7%		98.7%		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					Staubli MC4/Amphenol UTX			
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, IEC62116/61727, IEC60068/61683, IEC60529, PEA, MEA, VDE0126, Greece, NRS097-2-1:2017, CEA2019								

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