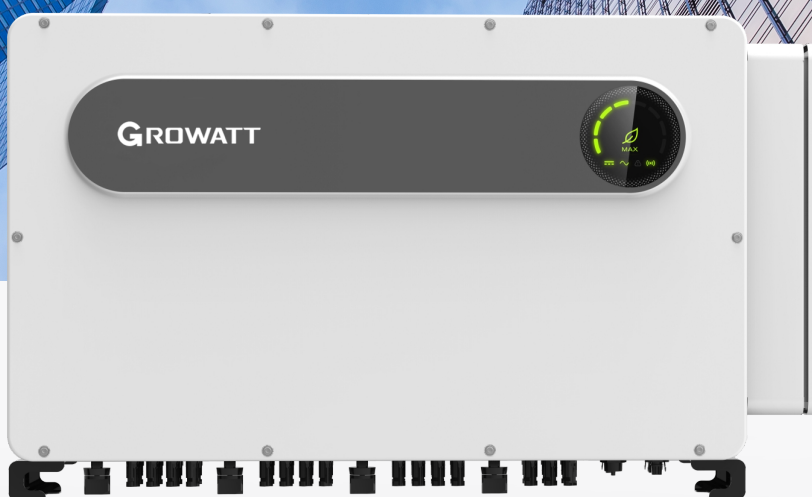
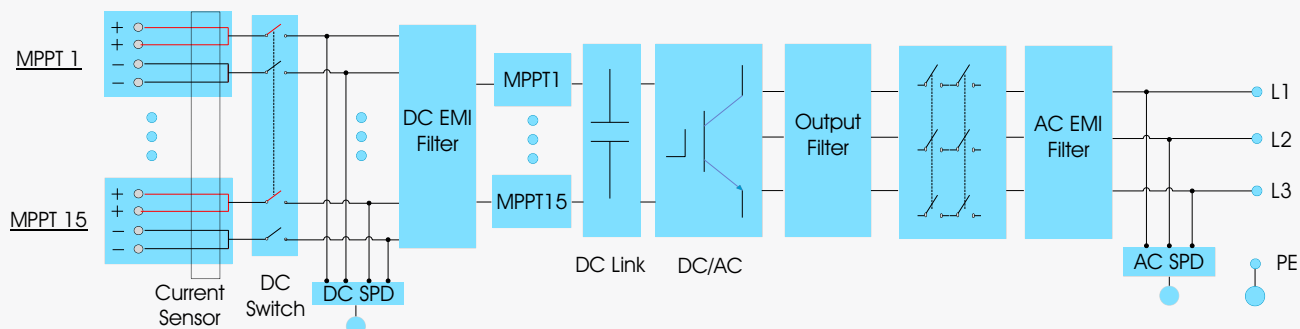


MAX 185~253KTL3-X HV

- 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.

Distributor : Energy Power Save CO.,LTD.

www.7-mars.com Email : info@7-mars.com Office Tel : +66 (02) 114 7145-9 Auto 5Line