

THREE PHASE & DUAL MPPT
PV 17/20/22KTL-D3

Application: Small-sized Industrial and Residential Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.6%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Natural Cooling
- Integrated type II DC/AC SPD
- APP for local settings & display



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export control

Model	PV 17KTL-D3	PV 20KTL-D3	PV 22KTL-D3
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.2%	97.7%	98.2%
Input(PV)			
Max. Input Voltage	1000V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	54A(2*27A)		
Max.Short Circuit Current	60A(2*30A)		
Start Input Voltage	250V		
MPPT Operating Voltage Range	180V-960V		
Max. Number of PV Strings	4(2/2)		
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	17,000W	20,000W	22,000W
Max. AC Apparent Power	18,700VA	22,000VA	24,200VA
Max. AC Active Power (PF=1)	18,700VA	22,000W	24,200W
Max. AC Output Current	3*28.3A	3*33.5A	3*35A
Rated AC Voltage	380V/400V, 3W+N+PE		
AC Voltage Range①	277V-520V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range②	45Hz-55Hz / 55Hz-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5%In		
Power Factor	>0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Natural cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<30dB		
Dimensions (W*H*D)	555mm*446mm*270mm		
Weight	35kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Grid Code	IEC61727/62116		
Warranty	5 Years		

Remarks : • ①②The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

THREE PHASE & DUAL MPPT
PV 25/28/30KTL-D3

Application: Small-sized Industrial and Residential Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.6%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Integrated type II DC/AC SPD
- APP for local settings & display



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export control

Model	PV 25KTL-D3	PV 28KTL-D3	PV 30KTL-D3
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.3%	98.3%	98.3%
Input(PV)			
Max. Input Voltage	1000V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	81A(2*40.5A)		
Max.Short Circuit Current	90A(2*45A)		
Start Input Voltage	250V		
MPPT Operating Voltage Range	180V-960V		
Max. Number of PV Strings	6(3/3)		
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	25,000W	28,000W	30,000W
Max. AC Apparent Power	27,500VA	30,800VA	33,000VA
Max. AC Active Power (PF=1)	27,500VA	30,800W	33,000W
Max. AC Output Current	3*40A	3*45A	3*48A
Rated AC Voltage	380V/400V, 3W+N+PE		
AC Voltage Range①	277V-520V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range②	45Hz-55Hz / 55Hz-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5%In		
Power Factor	>0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Fan cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<50dB		
Dimensions (W*H*D)	555mm*446mm*270mm		
Weight	41kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
EMC	EN 61000-6-2/4		
Grid Code	IEC61727/62116		
Warranty	5 Years		

Remarks: • ①②The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.