

# THREE PHASE & QUAD MPPT

## PV 50/60KTL

Application: Large-scale Industrial and Commercial Sites



### SUPERIOR EFFICIENCY

- Maximum efficiency 99.0%
- 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
- High quality components use



### INTELLIGENT MAINTENANCE

- String level I/V detect (Optional)
- Remote configuration and upgrade
- Supports export control

Model	PV 50KTL	PV 60KTL
<b>Efficiency</b>		
Max. Efficiency	99.0%	
European Efficiency	98.5%	
<b>Input (PV)</b>		
Max. Input Voltage	1100V	
Max. PV configuration (STC)	150%	
Rated Input Voltage	620V	
Max. Input Current	130A (39A/39A/26A/26A)	156A (39A/39A/39A/39A)
Max. Short Circuit Current	150A (45A/45A/30A/30A)	180A (45A/45A/45A/45A)
Start Input Voltage	250V	
MPPT Operating Voltage Range	200V-1000V	
Max. Number of PV Strings	10 (3/3/2/2)	12 (3/3/3/3)
No. of MPPTs	4	
<b>Output (Grid)</b>		
Rated AC Active Power	50,000W	60,000W
Rated Apparent Power	50,000VA	60,000VA
Max. AC Apparent Power	55,000VA	66,000VA
Max. AC Active Power (PF=1)	55,000W	66,000W
Max. AC Output Current	3*76A	3*92A
Rated AC Voltage	380V/400V, 3W+N+PE	
AC Voltage Range <sup>①</sup>	277V-520V (Adjustable)	
Rated Grid Frequency	50Hz / 60Hz	
Grid Frequency Range <sup>②</sup>	45Hz-55Hz / 55Hz-65Hz (Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5In	
Power Factor	>0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)	
<b>Protection</b>		
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	
<b>General</b>		
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	<62dB	
Dimensions (W*H*D)	855mm*555mm*275mm	
Weight	73Kg	74Kg
<b>HMI &amp; COM</b>		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, Optional: WiFi / GPRS / 4G / LAN	
<b>Certification</b>		
Safety	IEC62109-1, IEC62109-2	
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116, AS 4777	
Warranty	10 Years	

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