

DR LV Residential Serial



FEATURES

Supports both on- and off-grid operation

Faster setting and remote work mode setting by APP

Smart fanless cooling design

All-in-one modularized design

Self Sufficient

IP65 design for outdoor



ANYTIME, ANYWHERE

REMOTE
MONITORING
PLATFORM



Type	DR-3K-TL-AIO	DR-4K-TL-AIO	DR-5K-TL-AIO
PV Input (DC)			
Max. Recommended PV Power	3600	4800	6000
Rated input voltage	360Vd.c	360Vd.c	360Vd.c
Vmax PV	580Vd.c	580Vd.c	580Vd.c
MPPT voltage range	125~550Vd.c	125~550Vd.c	125~550Vd.c
MPPT voltage range (full load)	200~550Vd.c	200~550Vd.c	200~550Vd.c
Max. input current	13.5/13.5Ad.c	13.5/13.5Ad.c	13.5/13.5Ad.c
Isc PV	15/15Ad.c	15/15Ad.c	15/15Ad.c
Battery input/output			
Battery type	Li-ion	Li-ion	Li-ion
Rated voltage	48Vd.c	48Vd.c	48Vd.c
Battery voltage range	40~58Vd.c	40~58Vd.c	40~58Vd.c
Max. charging power	2800W	3500W	4200W
Max. charging current	50Ad.c	60Ad.c	70Ad.c
Max. discharging power	3000W	4000W	5000W
Max. discharging current	60Ad.c	80Ad.c	100Ad.c
Grid input/output			
Rated input/output active power	3KW	4KW	5KW
Max. input/output active power	3KW	4KW	5KW
Rated output apparent power	3KVA	4KVA	5KVA
Max. output apparent power	3KVA	4KVA	5KVA
Rated input/output frequency	50/60Hz	50/60Hz	50/60Hz
Rated input/output voltage	220/230Va.c	220/230Va.c	220/230Va.c
Rated input/output current	13Aa.c	17.3Aa.c	21.7Aa.c
Max. continuous input/output current	13.6Aa.c	18.2Aa.c	22.8Aa.c
Power factor	0.8cap~0.8ind	0.8cap~0.8ind	0.8cap~0.8ind
Load output rating			
Rated output active power	3KW	4KW	5KW
Max. output active power	3KW	4KW	5KW
Rated output apparent power	3KVA	4KVA	5KVA
Max. output apparent power	3KVA	4KVA	5KVA
Rated output frequency	50Hz	50Hz	50Hz
Rated output voltage	230Va.c	230Va.c	230Va.c
Rated output current	13Aa.c	17.3Aa.c	21.7Aa.c
Max. continuous output current	13.6Aa.c	18.2Aa.c	22.8Aa.c
General parameter			
Ingress protection rating	IP65		
Altitude	< 2000		
Ambient temperature range	-25 C ~ +60 C, derating above 45 C		
Protective class	Class I		
Dimensions (W*H*D) (mm)	600 (W) *596 (H) *240 (D) (include anchoring bracket)		
Weight	47kg		
Cooling concept	Natural-cooling		
Isolation type	Transformer less		
Communication Interface	Wi-Fi or GPRS(Optional) or RS485(Optional)		
Display	LED&APP		
MPPT Efficiency	99.9%		
Europe Efficiency	97%		
Max Efficiency	96.7%		
Battery charge/discharge efficiency	95%/94%		
Standby Self consumption	<20		
Safety	IEC62109-1/-2		
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3/EN61000-6-4		
Certification	IEC61683/IEC61727/IEC62116		
Grid Code	EN50549/CEI 0-21		
Protection			
DC Insulation Monitoring	Integrated		
Residual Current Monitoring	Integrated		
Input Reverse Polarity Protection	Integrated		
AC Overvoltage Protection	Integrated		
AC Overcurrent Protection	Integrated		
AC Short-circuit Protection	Integrated		
Anti-island Protection	Integrated		
Over-heat Protection	Integrated		
DC / AC Surge Protection	Integrated		