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DR On-Grid String Inverter

DR Series Three Phase

50kW



Efficient

Max. efficiency 98.6%
Smaller and Lighter



High Voltage

Max. PV Voltage up to
1100V
Type II DC /AC SPD



IP66

IP66 Protection
DC/AC Ratio up to 1.5



Flexible

WiFi / 4G Plug Optional

Type	DR-PVG-50T
Input (DC)	
Max. DC Voltage	1100V
Nominal Voltage	650V
Start Voltage	180V
MPPT Voltage Range	200V~1000V
Number of MPPT	4
Strings Per MPPT	2
Max. Input Current Per MPPT	32A
Max. Short-circuit Current Per MPPT	48A
Output (AC)	
Nominal AC Output Power	50000W
Max. AC Output Power	55000VA
Nominal AC Voltage	400V 3L+N+PE
AC Grid Frequency Range	50Hz/60Hz(±5Hz)
Maximum Output Current	79.7A
Power Factor(Φ)	0.8leading-0.8lagging
THDi	3%
Protection Devices	
DC Switch	Yes
Output Over Current Protection	Yes
Anti-islanding Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
DC/AC Surge Protection	Type II
Residual Current Monitoring	Yes
AC Short Circuit Protection	Yes
Efficiency	
Max. Efficiency	98.5%
Euro Efficiency	98.2%
General Specifications	
Dimensions W x H x D	515x585x287mm
Weight	51kg
Operating Temperature Range	-25 C ~+60 C
Cooling Type	Fan Cooling
Max. Operating Altitude	4000m
Max. Operating Humidity	0-100%(No Condensation)
AC Output Terminal Type	OT terminal
IP Class	IP66
Topology	Transformer-less
Communication	RS485/Wifi/4G
Display	LCD
Certification & Standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN 61000-6-1;IEC/EN 61000-6-3;IEC/EN61000-6-2; IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1; NC RfG;VDE-AR-N-4105;VDE0126;CEIO-21

Specifications subject to change without prior notice.

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