

TRIPLE MPPT 30 kW



High Efficiency up to 98.7%
Smaller and Lighter

Max. DC voltage	1100Vdc
Nominal voltage	620Vdc
Start voltage	250V
MPPT voltage range	200V-1000V
Number of MPPT	3
Strings per MPPT	2
Max. input current per MPPT	30A
Max. short-circuit current per MPPT	40A

Nominal AC output power	30 kW
Maximum AC output power	33 kVA
Nominal AC voltage	400V 3L+N+PE
AC grid frequency range	50Hz / 60Hz (±5Hz)
Max. output current (A)	47.8A
Power factor (cos Φ)	0.8 leading ~ 0.8 lagging
THDi	≤3%

Max. efficiency	98.70%
Euro efficiency	98.40%

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
Insulation fault detection	Yes
AC short circuit protection	Yes

Dimensions W x H x D (mm)	380 x 483 x 223
Weight (kg)	25.5
Operating temperature range	-25°C~+60°C
Cooling type	Fan cooling
Max. operation altitude	4000m
Max. operation humidity	0-100% (no condensation)
IP class	IP66
Topology	Transformerless
Communication Interface	RS485 standard, WiFi or Ethernet (optional)
Display	LCD

EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;
IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;IEC/EN61000-6-1;
IEC/EN61000-6-3NC RIG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11;G98/G99