

CP-3150-HA-UD

CP Series 1500V Outdoor Central Distributed Solar Inverter



More power generation

High DC input and AC output voltage decreasing cable line loss
Multiple MPPTs decreasing mismatch loss
1500Vdc system reduce power losses



Low system cost

Integrated DC power distribution function
Integrated reactive power compensation
Outdoor design without container



High reliability

Capacitor life prediction technology
Redundancy design for cooling fans and control power supply
Industry oriented design for harsh environment
Key components at front side, easy for maintenance

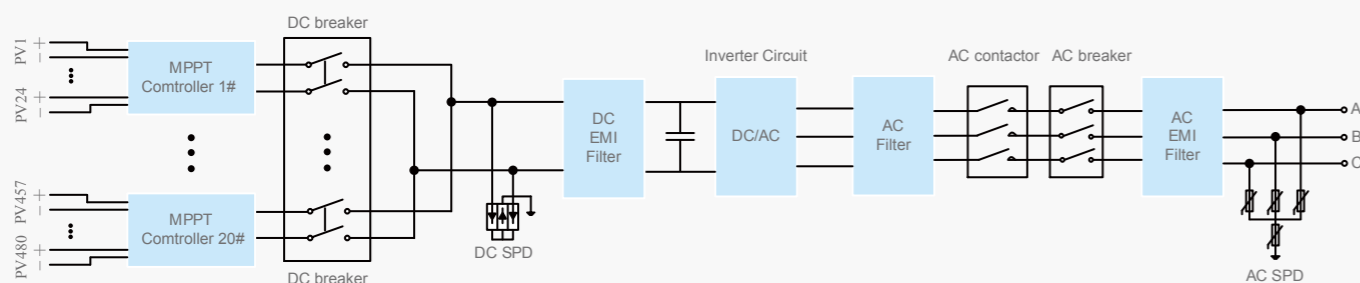


Grid friendly

LVRT and HVRT function
Low harmonics and fast response for grid regulation



Circuit



Input (DC)	CP-3150-HA-UD
Max.PV input voltage	1500V
Max. input current	3201A
MPP voltage range for nominal power	1150~1300V
Number of MPPT trackers (14~20 MPPT Combiner box)	168~240
Number of DC inputs	14~20
Output (AC)	CP-3150-HA-UD
Rated AC output power	3150kVA
Max. output power	3622kVA
Rated grid voltage	800V
Grid voltage range	680~880V
Rated output current	2273A
Max. output current	2614A
Rated grid frequency/range	50Hz±5Hz, 60Hz±5Hz
THDi (at nominal power)	<3%
DC current injection	<0.5%In
Power factor(at nominal power)	>0.99 /-0.8 lagging to 0.8 leading
Protection	CP-3150-HA-UD
DC input protection	Circuit breaker
AC output protection	Circuit breaker
Overvoltage protection	DC Type II/AC Type II
Leakage current monitoring	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Insulation monitoring	Yes
Overheat protection	Yes
Night SVG function	Yes
Anti-PID function	Optional
Smoke detecting	Yes
Efficiency	CP-3150-HA-UD
Max. efficiency	99.00%
EU efficiency	98.70%
General Data	CP-3150-HA-UD
Self-consuming at runtime	<3500W
Self-consuming in standby/night	<200W/ <100W
Protection level	IP65
Temperature	-30℃~+60℃ (>50℃ derating)
Cooling mode	Temperature controlled forced air cooling
Max.operating altitude	4000m (>3000m derating)
Display	LCD
Communication port	RS485/Ethernet (Optional)
Certificates and approvals (more available on request)	IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000
Dimensions (W×H×D)	2650×2250×1800mm
Weight	2700kg