THREE PHASE ON GRID INVERTER

ASN-30TL-G2

String current up to 20A

Wide MPPT voltage range

1.5x
Max. 150% DC/AC ratio

Max. efficiency 98.6%

AFCI
AFCI Function

Max. IP66 protection

HiSEL

AUXSOL
Inverter with Built-in AFCI Feature

10 YEARS WARRANTY

AUXSOL

ASN-30TL-G2	
Input DC	
Max.input power	45kW
Max.input voltage	1100V
Rated voltage	620V
Start-up voltage	160V
MPPT voltage range	150-1000V
Max.input current	40A/32A/32A
Max.short circuit current	50A/40A/40A
MPPT number	3
Max. input strings number	2+2+2
Output AC	
Rated output power	30kW
Max.apparent output power	33kVA
Max.output power	33kW
Rated grid voltage	220V/380V,230V/400V,3/N/PE
Grid voltage range	170-280V(Phase voltage),320-480V(Line voltage)
Rated grid frequency	50Hz/60Hz
Rated grid output current	43.3A
Max.output current	47.6A
Power factor	1(0.8 leading ... 0.8 lagging)
THDi	<3%
Efficiency	
Max.efficiency	98.60%
EU efficiency	98.20%
MPPT efficiency	99.80%
Protection	
Integrated DC switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over currentprotection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
AC Over voltage protection	Yes
DC Over current protection	Yes
Integrated AFCI (DC arc-fault circuit protection)	Yes
Anti-backflow	Yes
Strings monitoring	Yes
Integrated PID recovery	Optional
24-hour load monitoring	Optional
General Data	
Dimensions (W*H*D)	524*419*198mm
Weight	24.5kg
Self consumption(night)	<1W
Operating temperature range	-30...+60℃
Cooling concept	Smart fan cooling
Max. operation altitude	4000m (Derating above 3000m)
Relative humidity	0-100%
Ingress protection	IP66
Topology structure	Transformerless
Grid connection stadard	NB/T32004, EN 50549-1, IEC 61727, IEC 62116, IEC 61683, VDE 4105
Safety/EMC standard	EN IEC61000-6-1/2/3/4，EN IEC 61000-3-11，EN 61000-3-12
Type of DC terminal	MC4 connector
Type of AC terminal	OT terminal
Display&Communication	
Display	LED+Bluetooth+APP
Communication Interface	RS485,Optional:WIFI,4G,LAN

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to on-going innovation and product enhancement. HiSEL Power Corporation reserves the right to make necessary adjustment to the information described herein at any time without notice.

Caution: For professional use only. The installation and handling of PV equipment requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the product.