

IDC30E

Sungrow Urban Destination Charger



RELIABLE

- IP65 , dust and rain protection
- Service lifetime up to 10 years
- Easy maintenance without any filter



EFFICIENT

- Efficiency up to 96.5%
- Innovative cooling system



FRIENDLY

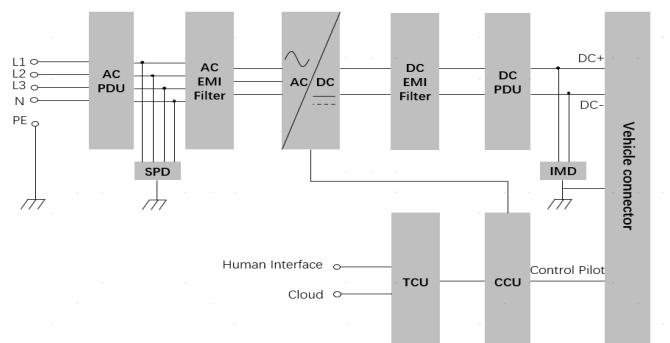
- Extremely low noise < 50dB
- EMC Class B residential emission



FUTURE - PROOFED

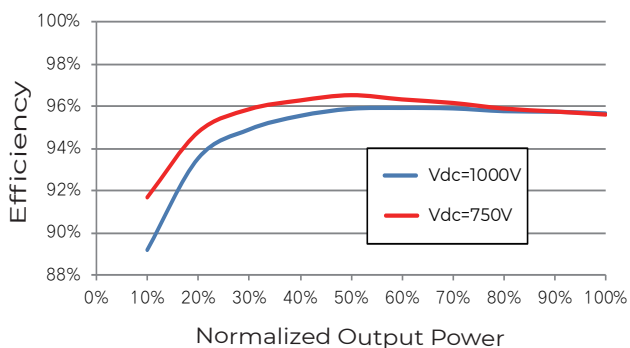
- Compatibility with new cars and backends
- Integration with PV and Energy Storage System

CIRCUIT DIAGRAM



Model	IDC30E
AC Input	
Input voltage	400 Vac \pm 10 %
Nominal frequency	50 Hz
Input current rating	46 A
Max. input current	52 A
Input cable specification	5 * 10 mm ²
Connector types	3P + N + PE
DC Output	
DC output power	30 kW
DC output voltage	200-1000 Vdc, 375-1000 Vdc (at nominal power)
Max. output current	80 A
Cable Length	5 m
Charge connector	CCS2
Protection	
Insulation monitor	Yes
Over/Under voltage protection	Yes
Over load protection	Yes
Short circuit protection	Yes
Over temperature protection	Yes
Lightning protection	Yes
Overvoltage level	III
Interface	
Touch screen	7-inch color touch screen
RFID card system	ISO / IEC 14443A / B, ISO / EC 15693
Communication interface	2G / 3G / 4G / Wifi / Ethernet
Communication protocol	OCP 1.6 J
General Data	
Dimensions (H * W * D)	800 mm * 500 mm * 230 mm, 800 mm * 500 mm * 262 mm (with backplane)
Weight	55 kg
Mounting method	Wall-mounting / Pole-mounting (optional)
Operational noise level	< 50 dB
Degree of protection	IP65, IK10 (enclosure), IK08 (screen)
Operating ambient temperature range	-35 °C - 55 °C
Allowable relative humidity range	5 % - 95 %
Efficiency	96.5 % Peak
Max. operating altitude	2000 m
Warranty	3 years (extended warranty optional)

EFFICIENCY CURVE



VOUT-IOUT CURVE

